TABLE 6

Sequence 4278	AF151109	NUC	Sequence 4331	AK000118	NUC
Sequence 4279	AF151538	NUC	Sequence 4332	AK000121	NUC
Sequence 4280	AF151861	NUC	Sequence 4333	AK000128	NUC
Sequence 4281	AF151865	NUC	Sequence 4334	AK000164	NUC
Sequence 4282	AF151884	NUC	Sequence 4335	AK000168	NUC
Sequence 4283	AF151889	NUC	Sequence 4336	AK000177	NUC
Sequence 4284	AF151902	NUC	Sequence 4337	AK000338	NUC
Sequence 4285	AF153274	NUC	Sequence 4338	AK000349	NUC
Sequence 4286	AF155115	NUC	Sequence 4339	AK000351	NUC
Sequence 4287	AF156160	NUC	Sequence 4340	AK000375	NUC
Sequence 4288	AF161457	NUC	Sequence 4341	AK000398	NUC
Sequence 4289	AF161553	NUC	Sequence 4342	AK000399	NUC
Sequence 4290	AF166330	NUC	Sequence 4343	AK000403	NUC
Sequence 4291	AF168132	NUC	Sequence 4344	AK000464	NUC
Sequence 4292	AF174496	NUC	Sequence 4345	AK000487	NUC
Sequence 4293	AF176642	NUC	Sequence 4346	AK000631	NUC
Sequence 4294	AF176700	NUC	Sequence 4347	AK000639	NUC
Sequence 4295	AF178030	NUC	Sequence 4348	AK000712	NUC
Sequence 4296	AF181071	NUC	Sequence 4349	AK000737	NUC
Sequence 4297	AF191298	NUC	Sequence 4350	AK000745	NUC
Sequence 4298	AF193795	NUC	Sequence 4351	AK000790	NUC
Sequence 4299	AF195120	NUC	Sequence 4352	AK000866	NUC
Sequence 4300	AF195765	NUC	Sequence 4353	AK000933	NUC
Sequence 4301	AF201077	NUC	Sequence 4354	AK000970	NUC
Sequence 4302	AF203815	NUC	Sequence 4355	AK001021	NUC
Sequence 4303	AF203978	NUC	Sequence 4356	AK001163	NUC
Sequence 4304	AF205588	NUC	Sequence 4357	AK001188	NUC
Sequence 4305	AF205598	NUC	Sequence 4358	AK001197	NUC
Sequence 4306	AF205600	NUC	Sequence 4359	AK001229	NUC
Sequence 4307	AF216381	NUC	Sequence 4360	AK001268	NUC
Sequence 4308	AF227899	NUC	Sequence 4361	AK001313	NUC
Sequence 4309	AJ000097	NUC	Sequence 4362	AK001324	NUC
Sequence 4310	AJ000186	NUC	Sequence 4363	AK001328	NUC
Sequence 4311	AJ000334	NUC	Sequence 4364	AK001348	NUC
Sequence 4312	AJ001548	NUC	Sequence 4365	AK001363	NUC
Sequence 4313	AJ002744	NUC	Sequence 4366	AK001385	NUC
Sequence 4314	AJ005578	NUC	Sequence 4367	AK001395	NUC
Sequence 4315	AJ005698	NUC	Sequence 4368	AK001410	NUC
Sequence 4316	AJ005897	NUC	Sequence 4369	AK001429	NUC
Sequence 4317	AJ010046	NUC	Sequence 4370	AK001437	NUC
Sequence 4318	AJ010442	NUC	Sequence 4371	AK001518	NUC
Sequence 4319	AJ010597	NUC	Sequence 4372	AK001521	NUC
Sequence 4320	AJ012375	NUC	Sequence 4373	AK001536	NUC
Sequence 4321	AJ132440	NUC	Sequence 4374	AK001542	NUC
Sequence 4322	AJ236885	NUC	Sequence 4375	AK001563	NUC
Sequence 4323	AJ237744	NUC	Sequence 4376	AK001598	NUC
Sequence 4324	AJ243213	NUC	Sequence 4377	AK001680	NUC
Sequence 4325	AJ243706	NUC	Sequence 4378	AK001697	NUC
Sequence 4326	AJ249731	NUC	Sequence 4379	AK001716	NUC
Sequence 4327	AJ250865	NUC	Sequence 4380	AK001733	NUC
Sequence 4328	AJ251881	NUC	Sequence 4381	AK001757	NUC
Sequence 4329	AK000055	NUC	Sequence 4382	AK001921	NUC
Sequence 4330	AK000075	NUC	Sequence 4383	AK001927	NUC

TABLE 6

Sequence 4384	AK002038	NUC	Sequence 4437	AL035683	NUC
Sequence 4385	AK002046	NUC	Sequence 4438	AL035701	NUC
Sequence 4386	AK002077	NUC	Sequence 4439	AL049198	NUC
Sequence 4387	AK002173	NUC	Sequence 4440	AL049219	NUC
Sequence 4388	AK002177	NUC	Sequence 4441	AL049313	NUC
Sequence 4389	AK002206	NUC	Sequence 4442	AL049381	NUC
Sequence 4390	AL008627	NUC	Sequence 4443	AL049397	NUC
Sequence 4391	AL008718	NUC	Sequence 4444	AL049442	NUC
Sequence 4392	AL021026	NUC	Sequence 4445	AL049466	NUC
Sequence 4393	AL021068	NUC	Sequence 4446	AL049538	NUC
Sequence 4394	AL021407	NUC	Sequence 4447	AL049540	NUC
Sequence 4395	AL021546	NUC	Sequence 4448	AL049552	NUC
Sequence 4396	AL022069	NUC	Sequence 4449	AL049564	NUC
Sequence 4397	AL022101	NUC	Sequence 4450	AL049646	NUC
Sequence 4398	AL022240	NUC	Sequence 4451	AL049692	NUC
Sequence 4399	AL022329	NUC	Sequence 4452	AL049696	NUC
Sequence 4400	AL022345	NUC	Sequence 4453	AL049709	NUC
Sequence 4401	AL022394	NUC	Sequence 4454	AL049795	NUC
Sequence 4402	AL022398	NUC	Sequence 4455	AL049799	NUC
Sequence 4403	AL022401	NUC	Sequence 4456	AL049839	NUC
Sequence 4404	AL023582	NUC	Sequence 4457	AL049940	NUC
Sequence 4405	AL023754	NUC	Sequence 4458	AL049951	NUC
Sequence 4406	AL031177	NUC	Sequence 4459	AL050035	NUC
Sequence 4407	AL031274	NUC	Sequence 4460	AL050051	NUC
Sequence 4408	AL031290	NUC	Sequence 4461	AL050084	NUC
Sequence 4409	AL031297	NUC	Sequence 4462	AL050089	NUC
Sequence 4410	AL031320	NUC	Sequence 4463	AL050168	NUC
Sequence 4411	AL031387	NUC	Sequence 4464	AL050169	NUC
Sequence 4412	AL031659	NUC	Sequence 4465	AL050204	NUC
Sequence 4413	AL031670	NUC	Sequence 4466	AL050215	NUC
Sequence 4414	AL031672	NUC	Sequence 4467	AL050265	NUC
Sequence 4415	AL031681	NUC	Sequence 4468	AL050268	NUC
Sequence 4416	AL031775	NUC	Sequence 4469	AL050337	NUC
Sequence 4417	AL033531	NUC	Sequence 4470	AL050341	NUC
Sequence 4418	AL033538	NUC	Sequence 4471	AL078463	NUC
Sequence 4419	AL034344	NUC	Sequence 4472	AL078471	NUC
Sequence 4420	AL034379	NUC	Sequence 4473	AL079304	NUC
Sequence 4421	AL034410	NUC	Sequence 4474	AL080097	NUC
Sequence 4422	AL034549	NUC	Sequence 4475	AL080110	NUC
Sequence 4423	AL034551	NUC	Sequence 4476	AL080186	NUC
Sequence 4424	AL034553	NUC	Sequence 4477	AL080242	NUC
Sequence 4425	AL034555	NUC	Sequence 4478	AL080243	NUC
Sequence 4426	AL034582	NUC	Sequence 4479	AL080250	NUC
Sequence 4427	AL035079	NUC	Sequence 4480	AL080277	NUC
Sequence 4428	AL035209	NUC	Sequence 4481	AL080317	NUC
Sequence 4429	AL035411	NUC	Sequence 4482	AL096678	NUC
Sequence 4430	AL035447	NUC	Sequence 4483	AL096710	NUC
Sequence 4431	AL035455	NUC	Sequence 4484	AL096734	NUC
Sequence 4432	AL035530	NUC	Sequence 4485	AL096752	NUC
Sequence 4433	AL035594	NUC	Sequence 4486	AL096773	NUC
Sequence 4434	AL035652	NUC	Sequence 4487	AL096801	NUC
Sequence 4435	AL035653	NUC	Sequence 4488	AL109613	NUC
Sequence 4436	AL035658	NUC	Sequence 4489	AL109627	NUC

TABLE 6

Sequence 4490	AL109628	NUC		Sequence 4543	AP000215	NUC
Sequence 4491	AL109939	NUC		Sequence 4544	AP000254	NUC
Sequence 4492	AL110153	NUC		Sequence 4545	AP000345	NUC
Sequence 4493	AL110180	NUC		Sequence 4546	AP000525	NUC
Sequence 4494	AL110240	NUC		Sequence 4547	AP000526	NUC
Sequence 4495	AL110241	NUC		Sequence 4548	AP000547	NUC
Sequence 4496	AL110242	NUC		Sequence 4549	AP000697	NUC
Sequence 4497	AL110265	NUC		Sequence 4550	AP000962	NUC
Sequence 4498	AL117354	NUC		Sequence 4551	AP001053	NUC
Sequence 4499	AL117412	NUC		Sequence 4552	D00017	NUC
Sequence 4500	AL117441	NUC		Sequence 4553	D00422	NUC
Sequence 4501	AL117463	NUC		Sequence 4554	D00760	NUC
Sequence 4502	AL117516	NUC		Sequence 4555	D13388	NUC
Sequence 4503	AL117572	NUC		Sequence 4556	D13627	NUC
Sequence 4504	AL117596	NUC		Sequence 4557	D13645	NUC
Sequence 4505	AL117621	NUC		Sequence 4558	D13866	NUC
Sequence 4506	AL117644	NUC		Sequence 4559	D14043	NUC
Sequence 4507	AL117648	NUC		Sequence 4560	D14710	NUC
Sequence 4508	AL117666	NUC		Sequence 4561	D14813	NUC
Sequence 4509	AL121588	NUC		Sequence 4562	D16481	NUC
Sequence 4510	AL121694	NUC		Sequence 4563	D16562	NUC
Sequence 4511	AL121778	NUC		Sequence 4564	D21262	NUC
Sequence 4512	AL121934	NUC		Sequence 4565	D21853	NUC
Sequence 4513	AL122084	NUC		Sequence 4566	D23660	NUC
Sequence 4514	AL122088	NUC		Sequence 4567	D25542	NUC
Sequence 4515	AL132986	NUC		Sequence 4568	D26488	NUC
Sequence 4516	AL133049	NUC		Sequence 4569	D29956	NUC
Sequence 4517	AL133050	NUC		Sequence 4570	D31767	NUC
Sequence 4518	AL133078	NUC		Sequence 4571	D31885	NUC
Sequence 4519	AL133246	NUC		Sequence 4572	D37984	NUC
Sequence 4520	AL133580	NUC		Sequence 4573	D38112	NUC
Sequence 4521	AL133600	NUC		Sequence 4574	D38293	NUC
Sequence 4522	AL133615	NUC		Sequence 4575	D38521	NUC
Sequence 4523	AL133661	NUC		Sequence 4576	D38524	NUC
Sequence 4524	AL135744	NUC		Sequence 4577	D38550	NUC
Sequence 4525	AL136295	NUC		Sequence 4578	D38555	NUC
Sequence 4526	AL136543	NUC		Sequence 4579	D38583	NUC
Sequence 4527	AL136702	NUC		Sequence 4580	D42063	NUC
Sequence 4528	AL137100	NUC		Sequence 4581	D42084	NUC
Sequence 4529	AL137191	NUC		Sequence 4582	D43948	NUC
Sequence 4530	AL137257	NUC		Sequence 4583	D43951	NUC
Sequence 4531	AL137294	NUC		Sequence 4584	D45198	NUC
Sequence 4532	AL137393	NUC		Sequence 4585	D50310	NUC
Sequence 4533	AL137506	NUC		Sequence 4586	D50372	NUC
Sequence 4534	AL137549	NUC		Sequence 4587	D50420	NUC
Sequence 4535	AL137721	NUC		Sequence 4588	D50516	NUC
Sequence 4536	AL137728	NUC		Sequence 4589	D50678	NUC
Sequence 4537	AL137730	NUC		Sequence 4590	D50927	NUC
Sequence 4538	AL157432	NUC		Sequence 4591	D63391	NUC
Sequence 4539	AP000045	NUC		Sequence 4592	D63486	NUC
Sequence 4540	AP000087	NUC		Sequence 4593	D78014	NUC
Sequence 4541	AP000088	NUC		Sequence 4594	D78132	NUC
Sequence 4542	AP000118	NUC		Sequence 4595	D78611	NUC

TABLE 6

Sequence 4596	D79983	NUC	Sequence 4649	K02765	NUC
Sequence 4597	D79986	NUC	Sequence 4650	L00084	NUC
Sequence 4598	D79996	NUC	Sequence 4651	L01087	NUC
Sequence 4599	D80000	NUC	Sequence 4652	L02426	NUC
Sequence 4600	D80009	NUC	Sequence 4653	L04636	NUC
Sequence 4601	D83784	NUC	Sequence 4654	L05921	NUC
Sequence 4602	D85939	NUC	Sequence 4655	L06499	NUC
Sequence 4603	D86965	NUC	Sequence 4656	L07395	NUC
Sequence 4604	D86981	NUC	Sequence 4657	L07758	NUC
Sequence 4605	D87119	NUC	Sequence 4658	L07782	NUC
Sequence 4606	D87453	NUC	Sequence 4659	L08048	NUC
Sequence 4607	D87666	NUC	Sequence 4660	L08441	NUC
Sequence 4608	D87667	NUC	Sequence 4661	L09247	NUC
Sequence 4609	D87742	NUC	Sequence 4662	L09260	NUC
Sequence 4610	D87845	NUC	Sequence 4663	L10138	NUC
Sequence 4611	D89640	NUC	Sequence 4664	L10284	NUC
Sequence 4612	D89729	NUC	Sequence 4665	L10678	NUC
Sequence 4613	D90226	NUC	Sequence 4666	L10910	NUC
Sequence 4614	E00199	NUC	Sequence 4667	L12387	NUC
Sequence 4615	E00410	NUC	Sequence 4668	L12686	NUC
Sequence 4616	E01094	NUC	Sequence 4669	L13689	NUC
Sequence 4617	E01650	NUC	Sequence 4670	L15702	NUC
Sequence 4618	E01915	NUC	Sequence 4671	L19184	NUC
Sequence 4619	E01954	NUC	Sequence 4672	L20826	NUC
Sequence 4620	E02339	NUC	Sequence 4673	L20941	NUC
Sequence 4621	E02628	NUC	Sequence 4674	L22009	NUC
Sequence 4622	E05647	NUC	Sequence 4675	L22569	NUC
Sequence 4623	E07218	NUC	Sequence 4676	L25931	NUC
Sequence 4624	E07219	NUC	Sequence 4677	L29219	NUC
Sequence 4625	E13292	NUC	Sequence 4678	L31801	NUC
Sequence 4626	E13405	NUC	Sequence 4679	L33930	NUC
Sequence 4627	J01415	NUC	Sequence 4680	L37368	NUC
Sequence 4628	J02642	NUC	Sequence 4681	L38928	NUC
Sequence 4629	J02853	NUC	Sequence 4682	L38951	NUC
Sequence 4630	J02943	NUC	Sequence 4683	L39210	NUC
Sequence 4631	J03007	NUC	Sequence 4684	L40357	NUC
Sequence 4632	J03248	NUC	Sequence 4685	L42143	NUC
Sequence 4633	J03473	NUC	Sequence 4686	L42583	NUC
Sequence 4634	J03537	NUC	Sequence 4687	L46353	NUC
Sequence 4635	J03575	NUC	Sequence 4688	L47125	NUC
Sequence 4636	J03592	NUC	Sequence 4689	L47176	NUC
Sequence 4637	J03798	NUC	Sequence 4690	L47575	NUC
Sequence 4638	J03799	NUC	Sequence 4691	L76465	NUC
Sequence 4639	J04027	NUC	Sequence 4692	L76703	NUC
Sequence 4640	J04088	NUC	Sequence 4693	M11353	NUC
Sequence 4641	J04129	NUC	Sequence 4694	M11560	NUC
Sequence 4642	J04208	NUC	Sequence 4695	M12623	NUC
Sequence 4643	J04607	NUC	Sequence 4696	M13194	NUC
Sequence 4644	J04799	NUC	Sequence 4697	M13520	NUC
Sequence 4645	J04973	NUC	Sequence 4698	M13536	NUC
Sequence 4646	J04991	NUC	Sequence 4699	M13560	NUC
Sequence 4647	J05016	NUC	Sequence 4700	M13699	NUC
Sequence 4648	K01144	NUC	Sequence 4701	M14631	NUC

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Sequence 4702	M14648	NUC	Sequence 4755	S74017	NUC
Sequence 4703	M15178	NUC	Sequence 4756	S79522	NUC
Sequence 4704	M16336	NUC	Sequence 4757	U00238	NUC
Sequence 4705	M16342	NUC	Sequence 4758	U02680	NUC
Sequence 4706	M16660	NUC	Sequence 4759	U03688	NUC
Sequence 4707	M17885	NUC	Sequence 4760	U03877	NUC
Sequence 4708	M17987	NUC	Sequence 4761	U07977	NUC
Sequence 4709	M18112	NUC	Sequence 4762	U10323	NUC
Sequence 4710	M19283	NUC	Sequence 4763	U12404	NUC
Sequence 4711	M21142	NUC	Sequence 4764	U12424	NUC
Sequence 4712	M21258	NUC	Sequence 4765	U12897	NUC
Sequence 4713	M22760	NUC	Sequence 4766	U13877	NUC
Sequence 4714	M22918	NUC	Sequence 4767	U13896	NUC
Sequence 4715	M22920	NUC	Sequence 4768	U13991	NUC
Sequence 4716	M23613	NUC	Sequence 4769	U14966	NUC
Sequence 4717	M23905	NUC	Sequence 4770	U14968	NUC
Sequence 4718	M24194	NUC	Sequence 4771	U14971	NUC
Sequence 4719	M24895	NUC	Sequence 4772	U15009	NUC
Sequence 4720	M26038	NUC	Sequence 4773	U15128	NUC
Sequence 4721	M26481	NUC	Sequence 4774	U16798	NUC
Sequence 4722	M27635	NUC	Sequence 4775	U17163	NUC
Sequence 4723	M29064	NUC	Sequence 4776	U18062	NUC
Sequence 4724	M29366	NUC	Sequence 4777	U18121	NUC
Sequence 4725	M29870	NUC	Sequence 4778	U18422	NUC
Sequence 4726	M29877	NUC	Sequence 4779	U19143	NUC
Sequence 4727	M30393	NUC	Sequence 4780	U19144	NUC
Sequence 4728	M30496	NUC	Sequence 4781	U19145	NUC
Sequence 4729	M31935	NUC	Sequence 4782	U19718	NUC
Sequence 4730	M32306	NUC	Sequence 4783	U19769	NUC
Sequence 4731	M34057	NUC	Sequence 4784	U20620	NUC
Sequence 4732	M35252	NUC	Sequence 4785	U23028	NUC
Sequence 4733	M55210	NUC	Sequence 4786	U24105	NUC
Sequence 4734	M59979	NUC	Sequence 4787	U25997	NUC
Sequence 4735	M62403	NUC	Sequence 4788	U26162	NUC
Sequence 4736	M64241	NUC	Sequence 4789	U26424	NUC
Sequence 4737	M65209	NUC	Sequence 4790	U27459	NUC
Sequence 4738	M73837	NUC	Sequence 4791	U28042	NUC
Sequence 4739	M74002	NUC	Sequence 4792	U30521	NUC
Sequence 4740	M74718	NUC	Sequence 4793	U30872	NUC
Sequence 4741	M77142	NUC	Sequence 4794	U30897	NUC
Sequence 4742	M83088	NUC	Sequence 4795	U31906	NUC
Sequence 4743	M83665	NUC	Sequence 4796	U34994	NUC
Sequence 4744	M83822	NUC	Sequence 4797	U35146	NUC
Sequence 4745	M86667	NUC	Sequence 4798	U35835	NUC
Sequence 4746	M87339	NUC	Sequence 4799	U36764	NUC
Sequence 4747	M88108	NUC	Sequence 4800	U38894	NUC
Sequence 4748	M93651	NUC	Sequence 4801	U40369	NUC
Sequence 4749	S59049	NUC	Sequence 4802	U40490	NUC
Sequence 4750	S63168	NUC	Sequence 4803	U40580	NUC
Sequence 4751	S63912	NUC	Sequence 4804	U41384	NUC
Sequence 4752	S69002	NUC	Sequence 4805	U43939	NUC
Sequence 4753	S70290	NUC	Sequence 4806	U46006	NUC
Sequence 4754	S72869	NUC	Sequence 4807	U49245	NUC

TABLE 6

Sequence 4808	U49436	NUC	Sequence 4861	X07062	NUC
Sequence 4809	U49973	NUC	Sequence 4862	X07466	NUC
Sequence 4810	U51677	NUC	Sequence 4863	X07979	NUC
Sequence 4811	U51990	NUC	Sequence 4864	X12597	NUC
Sequence 4812	U53209	NUC	Sequence 4865	X15187	NUC
Sequence 4813	U54558	NUC	Sequence 4866	X15729	NUC
Sequence 4814	U54559	NUC	Sequence 4867	X15880	NUC
Sequence 4815	U54993	NUC	Sequence 4868	X16850	NUC
Sequence 4816	U57029	NUC	Sequence 4869	X17206	NUC
Sequence 4817	U58046	NUC	Sequence 4870	X53793	NUC
Sequence 4818	U59919	NUC	Sequence 4871	X55733.	NUC
Sequence 4819	U60666	NUC	Sequence 4872	X56932	NUC
Sequence 4820	U62317	NUC	Sequence 4873	X56998	NUC
Sequence 4821	U62899	NUC	Sequence 4874	X57025	NUC
Sequence 4822	U64675	NUC	Sequence 4875	X58072	NUC
Sequence 4823	U65011	NUC	Sequence 4876	X59417	NUC
Sequence 4824	U65896	NUC	Sequence 4877	X62534	NUC
Sequence 4825	U66046	NUC	Sequence 4878	X63432	NUC
Sequence 4826	U66059	NUC	Sequence 4879	X65550	NUC
Sequence 4827	U66469	NUC	Sequence 4880	X67337	NUC
Sequence 4828	U66838	NUC.	Sequence 4881	X69398	NUC
Sequence 4829	U66871	NUC	Sequence 4882	X70326	NUC
Sequence 4830	U68758	NUC	Sequence 4883	X72012	NUC
Sequence 4831	U69668	NUC	Sequence 4884	X74262	NUC
Sequence 4832	U72787	NUC	Sequence 4885	X74331	NUC
Sequence 4833	U73168	NUC	Sequence 4886	X74801	NUC
Sequence 4834	U73379	NUC	Sequence 4887	X75821	NUC
Sequence 4835	U73945	NUC	Sequence 4888	X76092	NUC
Sequence 4836	U77085	NUC	Sequence 4889	X77744	NUC
Sequence 4837	U79282	NUC	Sequence 4890	X79448	NUC
Sequence 4838	U80017	NUC	Sequence 4891	X80910	NUC
Sequence 4839	U82319	NUC	Sequence 4892	X81889	NUC
Sequence 4840	U90549	NUC	Sequence 4893	X81892	NUC
Sequence 4841	U90916	NUC	Sequence 4894	X83973	NUC
Sequence 4842	U90942	NUC	Sequence 4895	X84908	NUC
Sequence 4843	U91322	NUC	Sequence 4896	X85372	NUC
Sequence 4844	U91327	NUC	Sequence 4897	X86691	NUC
Sequence 4845	U91328	NUC	Sequence 4898	X87344	NUC
Sequence 4846	U94586	NUC	Sequence 4899	X89478	NUC
Sequence 4847	U94747	NUC	Sequence 4900	X91257	NUC
Sequence 4848	U95140	NUC	Sequence 4901	X91648	NUC
Sequence 4849	U95626	NUC	Sequence 4902	X93920	NUC
Sequence 4850	X00457	NUC	Sequence 4903	X95762	NUC
Sequence 4851	X02152	NUC	Sequence 4904	X96375	NUC
Sequence 4852	X03635	NUC	Sequence 4905	X96670	NUC
Sequence 4853	X04076	NUC	Sequence 4906	X99920..	NUC
Sequence 4854	X04098	NUC	Sequence 4907	Y00281	NUC
Sequence 4855	X04106	NUC	Sequence 4908	Y00282	NUC
Sequence 4856	X04408	NUC	Sequence 4909	Y00345	NUC
Sequence 4857	X05857	NUC	Sequence 4910	Y00711	NUC
Sequence 4858	X06409	NUC	Sequence 4911	Y00978	NUC
Sequence 4859	X06747	NUC	Sequence 4912	Y12065	NUC
Sequence 4860	X07036	NUC	Sequence 4913	Y13829	NUC

TABLE 6

Sequence 4914	Y14737	NUC	Sequence 4967	AA033753	EST
Sequence 4915	Y16241	NUC	Sequence 4968	AA034100	EST
Sequence 4916	Z13009	NUC	Sequence 4969	AA034118	EST
Sequence 4917	Z23064	NUC	Sequence 4970	AA037349	EST
Sequence 4918	Z24725	NUC	Sequence 4971	AA037380	EST
Sequence 4919	Z25521	NUC	Sequence 4972	AA037511	EST
Sequence 4920	Z35291	NUC	Sequence 4973	AA039524	EST
Sequence 4921	Z36849	NUC	Sequence 4974	AA039640	EST
Sequence 4922	Z48950	NUC	Sequence 4975	AA039895	EST
Sequence 4923	Z49862	NUC	Sequence 4976	AA039967	EST
Sequence 4924	Z69923	NUC	Sequence 4977	AA040688	EST
Sequence 4925	Z75330	NUC	Sequence 4978	AA041415	EST
Sequence 4926	Z75331	NUC	Sequence 4979	AA044205	EST
Sequence 4927	Z75887	NUC	Sequence 4980	AA044747	EST
Sequence 4928	Z83826	NUC	Sequence 4981	AA044904	EST
Sequence 4929	Z83836	NUC	Sequence 4982	AA045020	EST
Sequence 4930	Z84474	NUC	Sequence 4983	AA045851	EST
Sequence 4931	Z85987	NUC	Sequence 4984	AA045856	EST
Sequence 4932	Z85999	NUC	Sequence 4985	AA053656	EST
Sequence 4933	Z92846	NUC	Sequence 4986	AA055223	EST
Sequence 4934	Z93019	NUC	Sequence 4987	AA056266	EST
Sequence 4935	Z93930	NUC	Sequence 4988	AA056338	EST
Sequence 4936	Z95126	NUC	Sequence 4989	AA056703	EST
Sequence 4937	Z97832	NUC	Sequence 4990	AA057583	EST
Sequence 4938	Z98036	NUC	Sequence 4991	AA064873	EST
Sequence 4939	Z98750	NUC	Sequence 4992	AA070538	EST
Sequence 4940	Z98754	NUC	Sequence 4993	AA071025	EST
Sequence 4941	Z98755	NUC	Sequence 4994	AA074819	EST
Sequence 4942	Z99129	NUC	Sequence 4995	AA075039	EST
Sequence 4943	Z99716	NUC	Sequence 4996	AA075475	EST
Sequence 4944	Z99916	NUC	Sequence 4997	AA075710	EST
Sequence 4945	AA001409	EST	Sequence 4998	AA076477	EST
Sequence 4946	AA001995	EST	Sequence 4999	AA076683	EST
Sequence 4947	AA004614	EST	Sequence 5000	AA079480	EST
Sequence 4948	AA004862	EST	Sequence 5001	AA081059	EST
Sequence 4949	AA007555	EST	Sequence 5002	AA081917	EST
Sequence 4950	AA009568	EST	Sequence 5003	AA082142	EST
Sequence 4951	AA009649	EST	Sequence 5004	AA082800	EST
Sequence 4952	AA010164	EST	Sequence 5005	AA083259	EST
Sequence 4953	AA010337	EST	Sequence 5006	AA083631	EST
Sequence 4954	AA010529	EST	Sequence 5007	AA085512	EST
Sequence 4955	AA010629	EST	Sequence 5008	AA086078	EST
Sequence 4956	AA011185	EST	Sequence 5009	AA088252	EST
Sequence 4957	AA011203	EST	Sequence 5010	AA088257	EST
Sequence 4958	AA012957	EST	Sequence 5011	AA088529	EST
Sequence 4959	AA017246	EST	Sequence 5012	AA088829	EST
Sequence 4960	AA018692	EST	Sequence 5013	AA090912	EST
Sequence 4961	AA024482	EST	Sequence 5014	AA091555	EST
Sequence 4962	AA024699	EST	Sequence 5015	AA093276	EST
Sequence 4963	AA025869	EST	Sequence 5016	AA093359	EST
Sequence 4964	AA029276	EST	Sequence 5017	AA094356	EST
Sequence 4965	AA031508	EST	Sequence 5018	AA098869	EST
Sequence 4966	AA032059	EST	Sequence 5019	AA099376	EST

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Sequence 5020	AA100470	EST		Sequence 5073	AA158153	EST
Sequence 5021	AA101300	EST		Sequence 5074	AA159847	EST
Sequence 5022	AA101936	EST		Sequence 5075	AA160224	EST
Sequence 5023	AA111889	EST		Sequence 5076	AA160229	EST
Sequence 5024	AA112371	EST		Sequence 5077	AA160973	EST
Sequence 5025	AA113290	EST		Sequence 5078	AA164449	EST
Sequence 5026	AA115212	EST		Sequence 5079	AA164850	EST
Sequence 5027	AA115269	EST		Sequence 5080	AA164878	EST
Sequence 5028	AA115284	EST		Sequence 5081	AA164983	EST
Sequence 5029	AA115387	EST		Sequence 5082	AA165292	EST
Sequence 5030	AA120896	EST		Sequence 5083	AA165611	EST
Sequence 5031	AA121482	EST		Sequence 5084	AA165632	EST
Sequence 5032	AA122041	EST		Sequence 5085	AA165668	EST
Sequence 5033	AA125780	EST		Sequence 5086	AA166618	EST
Sequence 5034	AA126787	EST		Sequence 5087	AA167821	EST
Sequence 5035	AA127584	EST		Sequence 5088	AA169501	EST
Sequence 5036	AA127585	EST		Sequence 5089	AA169794	EST.
Sequence 5037	AA127633	EST		Sequence 5090	AA171694	EST
Sequence 5038	AA127809	EST		Sequence 5091	AA173523	EST
Sequence 5039	AA128298	EST		Sequence 5092	AA173965	EST
Sequence 5040	AA128305	EST		Sequence 5093	AA179268	EST
Sequence 5041	AA128343	EST		Sequence 5094	AA181017	EST
Sequence 5042	AA129551	EST		Sequence 5095	AA181455	EST
Sequence 5043	AA129634	EST		Sequence 5096	AA181941	EST
Sequence 5044	AA129710	EST		Sequence 5097	AA182938	EST
Sequence 5045	AA129776	EST		Sequence 5098	AA187486	EST
Sequence 5046	AA130349	EST		Sequence 5099	AA188424	EST
Sequence 5047	AA130428	EST		Sequence 5100	AA190812	EST
Sequence 5048	AA131975	EST		Sequence 5101	AA190884	EST
Sequence 5049	AA132012	EST		Sequence 5102	AA191071	EST
Sequence 5050	AA132267	EST		Sequence 5103	AA191098	EST
Sequence 5051	AA132373	EST		Sequence 5104	AA193295	EST
Sequence 5052	AA132555	EST		Sequence 5105	AA193411	EST
Sequence 5053	AA132792	EST		Sequence 5106	AA194130	EST
Sequence 5054	AA133357	EST		Sequence 5107	AA194666	EST
Sequence 5055	AA134064	EST		Sequence 5108	AA195145	EST
Sequence 5056	AA134157	EST		Sequence 5109	AA196962	EST
Sequence 5057	AA134937	EST		Sequence 5110	AA197340	EST
Sequence 5058	AA136165	EST		Sequence 5111	AA203206	EST
Sequence 5059	AA136204	EST		Sequence 5112	AA203413	EST
Sequence 5060	AA137131	EST		Sequence 5113	AA203671	EST
Sequence 5061	AA143034	EST		Sequence 5114	AA205482	EST
Sequence 5062	AA143696	EST		Sequence 5115	AA205957	EST
Sequence 5063	AA147005	EST		Sequence 5116	AA206351	EST
Sequence 5064	AA147714	EST		Sequence 5117	AA209369	EST
Sequence 5065	AA148087	EST		Sequence 5118	AA210810	EST
Sequence 5066	AA148796	EST		Sequence 5119	AA211798	EST
Sequence 5067	AA149265	EST		Sequence 5120	AA214448	EST
Sequence 5068	AA150345	EST		Sequence 5121	AA215449	EST
Sequence 5069	AA155944	EST		Sequence 5122	AA216132	EST
Sequence 5070	AA156244	EST		Sequence 5123	AA223895	EST
Sequence 5071	AA156356	EST		Sequence 5124	AA225008	EST
Sequence 5072	AA156901	EST		Sequence 5125	AA229018	EST

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Sequence 5126	AA233060	EST		Sequence 5179	AA308651	EST
Sequence 5127	AA234592	EST		Sequence 5180	AA309127	EST
Sequence 5128	AA234661	EST		Sequence 5181	AA309970	EST
Sequence 5129	AA235285	EST		Sequence 5182	AA310532	EST
Sequence 5130	AA236356	EST		Sequence 5183	AA310558	EST
Sequence 5131	AA236469	EST		Sequence 5184	AA311408	EST
Sequence 5132	AA236755	EST		Sequence 5185	AA313223	EST
Sequence 5133	AA243028	EST		Sequence 5186	AA313274	EST
Sequence 5134	AA243248	EST		Sequence 5187	AA313507	EST
Sequence 5135	AA243624	EST		Sequence 5188	AA313644	EST
Sequence 5136	AA247690	EST		Sequence 5189	AA314294	EST
Sequence 5137	AA250870	EST		Sequence 5190	AA314393	EST
Sequence 5138	AA251932	EST		Sequence 5191	AA314633	EST
Sequence 5139	AA252708	EST		Sequence 5192	AA315028	EST
Sequence 5140	AA252732	EST		Sequence 5193	AA315030	EST
Sequence 5141	AA253154	EST		Sequence 5194	AA315298	EST
Sequence 5142	AA253453	EST		Sequence 5195	AA315472	EST
Sequence 5143	AA256303	EST		Sequence 5196	AA315718	EST
Sequence 5144	AA256499	EST		Sequence 5197	AA315881	EST
Sequence 5145	AA258014	EST		Sequence 5198	AA316186	EST
Sequence 5146	AA258741	EST		Sequence 5199	AA316516	EST
Sequence 5147	AA261945	EST		Sequence 5200	AA316874	EST
Sequence 5148	AA262631	EST		Sequence 5201	AA317144	EST
Sequence 5149	AA262683	EST		Sequence 5202	AA318969	EST
Sequence 5150	AA263131	EST		Sequence 5203	AA324028	EST
Sequence 5151	AA278353	EST		Sequence 5204	AA335095	EST
Sequence 5152	AA278937	EST		Sequence 5205	AA336685	EST
Sequence 5153	AA278949	EST		Sequence 5206	AA338895	EST
Sequence 5154	AA280076	EST		Sequence 5207	AA342070	EST
Sequence 5155	AA280172	EST		Sequence 5208	AA342364	EST
Sequence 5156	AA280221	EST		Sequence 5209	AA342969	EST
Sequence 5157	AA281188	EST		Sequence 5210	AA348580	EST
Sequence 5158	AA282173	EST		Sequence 5211	AA350993	EST
Sequence 5159	AA285035	EST		Sequence 5212	AA352493	EST
Sequence 5160	AA286872	EST		Sequence 5213	AA354928	EST
Sequence 5161	AA287225	EST		Sequence 5214	AA355263	EST
Sequence 5162	AA287833	EST		Sequence 5215	AA355405	EST
Sequence 5163	AA287933	EST		Sequence 5216	AA360416	EST
Sequence 5164	AA291747	EST		Sequence 5217	AA364656	EST
Sequence 5165	AA292807	EST		Sequence 5218	AA366635	EST
Sequence 5166	AA293028	EST		Sequence 5219	AA374854	EST
Sequence 5167	AA293276	EST		Sequence 5220	AA375957	EST
Sequence 5168	AA293612	EST		Sequence 5221	AA382541	EST
Sequence 5169	AA293804	EST		Sequence 5222	AA384272	EST
Sequence 5170	AA298125	EST		Sequence 5223	AA393690	EST
Sequence 5171	AA300116	EST		Sequence 5224	AA394297	EST
Sequence 5172	AA305438	EST		Sequence 5225	AA394311	EST
Sequence 5173	AA306097	EST		Sequence 5226	AA397822	EST
Sequence 5174	AA306543	EST		Sequence 5227	AA398153	EST
Sequence 5175	AA307371	EST		Sequence 5228	AA398590	EST
Sequence 5176	AA307398	EST		Sequence 5229	AA398704	EST
Sequence 5177	AA307673	EST		Sequence 5230	AA399531	EST
Sequence 5178	AA307697	EST		Sequence 5231	AA399616	EST

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Sequence 5232	AA401085	EST	Sequence 5285	AA446436	EST
Sequence 5233	AA402289	EST	Sequence 5286	AA447209	EST
Sequence 5234	AA403039	EST	Sequence 5287	AA447559	EST
Sequence 5235	AA403188	EST	Sequence 5288	AA448438	EST
Sequence 5236	AA404613	EST	Sequence 5289	AA448542	EST
Sequence 5237	AA405988	EST	Sequence 5290	AA449092	EST
Sequence 5238	AA406034	EST	Sequence 5291	AA449205	EST
Sequence 5239	AA406056	EST	Sequence 5292	AA449298	EST
Sequence 5240	AA406093	EST	Sequence 5293	AA449725	EST
Sequence 5241	AA406260	EST	Sequence 5294	AA450357	EST
Sequence 5242	AA406414	EST	Sequence 5295	AA451633	EST
Sequence 5243	AA406475	EST	Sequence 5296	AA451640	EST
Sequence 5244	AA410508	EST	Sequence 5297	AA451853	EST
Sequence 5245	AA410605	EST	Sequence 5298	AA452202	EST
Sequence 5246	AA410689	EST	Sequence 5299	AA452368	EST
Sequence 5247	AA410691	EST	Sequence 5300	AA452369	EST
Sequence 5248	AA410942	EST	Sequence 5301	AA452664	EST
Sequence 5249	AA411082	EST	Sequence 5302	AA453215	EST
Sequence 5250	AA411397	EST	Sequence 5303	AA453217	EST
Sequence 5251	AA411555	EST	Sequence 5304	AA453529	EST
Sequence 5252	AA412359	EST	Sequence 5305	AA454211	EST
Sequence 5253	AA417057	EST	Sequence 5306	AA454559	EST
Sequence 5254	AA417085	EST	Sequence 5307	AA455774	EST
Sequence 5255	AA417324	EST	Sequence 5308	AA456598	EST
Sequence 5256	AA417648	EST	Sequence 5309	AA456829	EST
Sequence 5257	AA418163	EST	Sequence 5310	AA458987	EST
Sequence 5258	AA418536	EST	Sequence 5311	AA459527	EST
Sequence 5259	AA418681	EST	Sequence 5312	AA459992	EST
Sequence 5260	AA419507	EST	Sequence 5313	AA460028	EST
Sequence 5261	AA420650	EST	Sequence 5314	AA460440	EST
Sequence 5262	AA420789	EST	Sequence 5315	AA460628	EST
Sequence 5263	AA421510	EST	Sequence 5316	AA461133	EST
Sequence 5264	AA423898	EST	Sequence 5317	AA461343	EST
Sequence 5265	AA424098	EST	Sequence 5318	AA464694	EST
Sequence 5266	AA424285	EST	Sequence 5319	AA465232	EST
Sequence 5267	AA424456	EST	Sequence 5320	AA465329	EST
Sequence 5268	AA425074	EST	Sequence 5321	AA468538	EST
Sequence 5269	AA425485	EST	Sequence 5322	AA476481	EST
Sequence 5270	AA427781	EST	Sequence 5323	AA477773	EST
Sequence 5271	AA429307	EST	Sequence 5324	AA478786	EST
Sequence 5272	AA430018	EST	Sequence 5325	AA479746	EST
Sequence 5273	AA430088	EST	Sequence 5326	AA480262	EST
Sequence 5274	AA431766	EST	Sequence 5327	AA480349	EST
Sequence 5275	AA433968	EST	Sequence 5328	AA480855	EST
Sequence 5276	AA434120	EST	Sequence 5329	AA481360	EST
Sequence 5277	AA434435	EST	Sequence 5330	AA482588	EST
Sequence 5278	AA436503	EST	Sequence 5331	AA483481	EST
Sequence 5279	AA436522	EST	Sequence 5332	AA484714	EST
Sequence 5280	AA437035	EST	Sequence 5333	AA484886	EST
Sequence 5281	AA437073	EST	Sequence 5334	AA486115	EST
Sequence 5282	AA442177	EST	Sequence 5335	AA486673	EST
Sequence 5283	AA442988	EST	Sequence 5336	AA486711	EST
Sequence 5284	AA446089	EST	Sequence 5337	AA486961	EST

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Sequence 5338	AA487468	EST	Sequence 5391	AA551900	EST
Sequence 5339	AA488383	EST	Sequence 5392	AA552146	EST
Sequence 5340	AA488588	EST	Sequence 5393	AA552507	EST
Sequence 5341	AA489022	EST	Sequence 5394	AA552696	EST
Sequence 5342	AA489028	EST	Sequence 5395	AA553694	EST
Sequence 5343	AA489435	EST	Sequence 5396	AA553905	EST
Sequence 5344	AA491219	EST	Sequence 5397	AA557190	EST
Sequence 5345	AA493968	EST	Sequence 5398	AA557372	EST
Sequence 5346	AA494308	EST	Sequence 5399	AA558580	EST
Sequence 5347	AA494400	EST	Sequence 5400	AA558893	EST
Sequence 5348	AA495938	EST	Sequence 5401	AA558957	EST
Sequence 5349	AA495978	EST	Sequence 5402	AA564153	EST
Sequence 5350	AA496126	EST	Sequence 5403	AA564742	EST
Sequence 5351	AA496783	EST	Sequence 5404	AA565647	EST
Sequence 5352	AA496800	EST	Sequence 5405	AA565885	EST
Sequence 5353	AA496991	EST	Sequence 5406	AA569895	EST
Sequence 5354	AA502277	EST	Sequence 5407	AA573912	EST
Sequence 5355	AA502375	EST	Sequence 5408	AA574090	EST
Sequence 5356	AA503078	EST	Sequence 5409	AA574340	EST
Sequence 5357	AA503215	EST	Sequence 5410	AA576959	EST
Sequence 5358	AA505960	EST	Sequence 5411	AA577001	EST
Sequence 5359	AA506302	EST	Sequence 5412	AA577040	EST
Sequence 5360	AA513306	EST	Sequence 5413	AA577927	EST
Sequence 5361	AA514269	EST	Sequence 5414	AA579356	EST
Sequence 5362	AA514775	EST	Sequence 5415	AA579608	EST
Sequence 5363	AA514782	EST	Sequence 5416	AA580046	EST
Sequence 5364	AA521396	EST	Sequence 5417	AA580516	EST
Sequence 5365	AA523354	EST	Sequence 5418	AA581833	EST
Sequence 5366	AA523813	EST	Sequence 5419	AA582721	EST
Sequence 5367	AA523877	EST	Sequence 5420	AA583992	EST
Sequence 5368	AA524138	EST	Sequence 5421	AA588822	EST
Sequence 5369	AA524378	EST	Sequence 5422	AA594986	EST
Sequence 5370	AA524399	EST	Sequence 5423	AA602897	EST
Sequence 5371	AA524798	EST	Sequence 5424	AA603150	EST
Sequence 5372	AA525108	EST	Sequence 5425	AA603455	EST
Sequence 5373	AA525419	EST	Sequence 5426	AA603782	EST
Sequence 5374	AA527001	EST	Sequence 5427	AA603812	EST
Sequence 5375	AA527253	EST	Sequence 5428	AA609958	EST
Sequence 5376	AA527296	EST	Sequence 5429	AA610305	EST
Sequence 5377	AA527360	EST	Sequence 5430	AA614021	EST
Sequence 5378	AA528190	EST	Sequence 5431	AA614476	EST
Sequence 5379	AA528233	EST	Sequence 5432	AA617722	EST
Sequence 5380	AA528295	EST	Sequence 5433	AA618170	EST
Sequence 5381	AA531461	EST	Sequence 5434	AA620697	EST
Sequence 5382	AA534078	EST	Sequence 5435	AA621500	EST
Sequence 5383	AA535091	EST	Sequence 5436	AA621577	EST
Sequence 5384	AA542850	EST	Sequence 5437	AA622311	EST
Sequence 5385	AA545726	EST	Sequence 5438	AA625436	EST
Sequence 5386	AA545794	EST	Sequence 5439	AA625694	EST
Sequence 5387	AA548124	EST	Sequence 5440	AA626503	EST
Sequence 5388	AA548731	EST	Sequence 5441	AA626882	EST
Sequence 5389	AA548898	EST	Sequence 5442	AA629616	EST
Sequence 5390	AA551421	EST	Sequence 5443	AA630374	EST

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Sequence 5444	AA631460	EST	Sequence 5497	AA715450	EST
Sequence 5445	AA633983	EST	Sequence 5498	AA719844	EST
Sequence 5446	AA634196	EST	Sequence 5499	AA720572	EST
Sequence 5447	AA634360	EST	Sequence 5500	AA723188	EST
Sequence 5448	AA634799	EST	Sequence 5501	AA723690	EST
Sequence 5449	AA639737	EST	Sequence 5502	AA723729	EST
Sequence 5450	AA640215	EST	Sequence 5503	AA725680	EST
Sequence 5451	AA641769	EST	Sequence 5504	AA725914	EST
Sequence 5452	AA642409	EST	Sequence 5505	AA731160	EST
Sequence 5453	AA643615	EST	Sequence 5506	AA732577	EST
Sequence 5454	AA643961	EST	Sequence 5507	AA737188	EST
Sequence 5455	AA648503	EST	Sequence 5508	AA738037	EST
Sequence 5456	AA651668	EST	Sequence 5509	AA738390	EST
Sequence 5457	AA651973	EST	Sequence 5510	AA740151	EST
Sequence 5458	AA653526	EST	Sequence 5511	AA740886	EST
Sequence 5459	AA653735	EST	Sequence 5512	AA741202	EST
Sequence 5460	AA659312	EST	Sequence 5513	AA741483	EST
Sequence 5461	AA662132	EST	Sequence 5514	AA743389	EST
Sequence 5462	AA662373	EST	Sequence 5515	AA743632	EST
Sequence 5463	AA663609	EST	Sequence 5516	AA743656	EST
Sequence 5464	AA665208	EST	Sequence 5517	AA744578	EST
Sequence 5465	AA669103	EST	Sequence 5518	AA745726	EST
Sequence 5466	AA669106	EST	Sequence 5519	AA746222	EST
Sequence 5467	AA669154	EST	Sequence 5520	AA747797	EST
Sequence 5468	AA669913	EST	Sequence 5521	AA748203	EST
Sequence 5469	AA670046	EST	Sequence 5522	AA757451	EST
Sequence 5470	AA670064	EST	Sequence 5523	AA760996	EST
Sequence 5471	AA675900	EST	Sequence 5524	AA761181	EST
Sequence 5472	AA677996	EST	Sequence 5525	AA761800	EST
Sequence 5473	AA678033	EST	Sequence 5526	AA765066	EST
Sequence 5474	AA678853	EST	Sequence 5527	AA766567	EST
Sequence 5475	AA678964	EST	Sequence 5528	AA769127	EST
Sequence 5476	AA682539	EST	Sequence 5529	AA769179	EST
Sequence 5477	AA683111	EST	Sequence 5530	AA769673	EST
Sequence 5478	AA687579	EST	Sequence 5531	AA769920	EST
Sequence 5479	AA687594	EST	Sequence 5532	AA772011	EST
Sequence 5480	AA687853	EST	Sequence 5533	AA772257	EST
Sequence 5481	AA688195	EST	Sequence 5534	AA773350	EST
Sequence 5482	AA694160	EST	Sequence 5535	AA773362	EST
Sequence 5483	AA694394	EST	Sequence 5536	AA773998	EST
Sequence 5484	AA700203	EST	Sequence 5537	AA776593	EST
Sequence 5485	AA702489	EST	Sequence 5538	AA777273	EST
Sequence 5486	AA704916	EST	Sequence 5539	AA777844	EST
Sequence 5487	AA707078	EST	Sequence 5540	AA779176	EST
Sequence 5488	AA707181	EST	Sequence 5541	AA779427	EST
Sequence 5489	AA707324	EST	Sequence 5542	AA779561	EST
Sequence 5490	AA707820	EST	Sequence 5543	AA779659	EST
Sequence 5491	AA707847	EST	Sequence 5544	AA779726	EST
Sequence 5492	AA708633	EST	Sequence 5545	AA780616	EST
Sequence 5493	AA708673	EST	Sequence 5546	AA781009	EST
Sequence 5494	AA708748	EST	Sequence 5547	AA781326	EST
Sequence 5495	AA714547	EST	Sequence 5548	AA781487	EST
Sequence 5496	AA714641	EST	Sequence 5549	AA781749	EST

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Sequence 5550	AA805563	EST		Sequence 5603	AA884787	EST
Sequence 5551	AA807829	EST		Sequence 5604	AA884922	EST
Sequence 5552	AA808525	EST		Sequence 5605	AA885621	EST
Sequence 5553	AA808818	EST		Sequence 5606	AA886392	EST
Sequence 5554	AA809664	EST		Sequence 5607	AA887054	EST
Sequence 5555	AA811229	EST		Sequence 5608	AA888155	EST
Sequence 5556	AA811262	EST		Sequence 5609	AA889415	EST
Sequence 5557	AA811609	EST		Sequence 5610	AA902816	EST
Sequence 5558	AA815378	EST		Sequence 5611	AA904079	EST
Sequence 5559	AA825261	EST		Sequence 5612	AA905373	EST
Sequence 5560	AA827331	EST		Sequence 5613	AA906188	EST
Sequence 5561	AA827620	EST		Sequence 5614	AA907484	EST
Sequence 5562	AA829143	EST		Sequence 5615	AA908851	EST
Sequence 5563	AA830274	EST		Sequence 5616	AA913688	EST
Sequence 5564	AA830801	EST		Sequence 5617	AA918220	EST
Sequence 5565	AA830933	EST		Sequence 5618	AA918686	EST
Sequence 5566	AA831659	EST		Sequence 5619	AA919108	EST
Sequence 5567	AA832044	EST		Sequence 5620	AA923015	EST
Sequence 5568	AA833578	EST		Sequence 5621	AA923370	EST
Sequence 5569	AA833847	EST		Sequence 5622	AA927353	EST
Sequence 5570	AA835801	EST		Sequence 5623	AA927893	EST
Sequence 5571	AA836302	EST		Sequence 5624	AA933736	EST
Sequence 5572	AA837534	EST		Sequence 5625	AA935716	EST
Sequence 5573	AA843844	EST		Sequence 5626	AA936261	EST
Sequence 5574	AA843859	EST		Sequence 5627	AA938142	EST
Sequence 5575	AA844071	EST		Sequence 5628	AA939083	EST
Sequence 5576	AA845164	EST		Sequence 5629	AA947633	EST
Sequence 5577	AA845390	EST		Sequence 5630	AA948244	EST
Sequence 5578	AA845409	EST		Sequence 5631	AA952962	EST
Sequence 5579	AA845421	EST		Sequence 5632	AA960755	EST
Sequence 5580	AA845465	EST		Sequence 5633	AA962310	EST
Sequence 5581	AA845575	EST		Sequence 5634	AA970201	EST
Sequence 5582	AA846943	EST		Sequence 5635	AA971638	EST
Sequence 5583	AA852681	EST		Sequence 5636	AA971884	EST
Sequence 5584	AA854760	EST		Sequence 5637	AA974049	EST
Sequence 5585	AA856569	EST		Sequence 5638	AA976712	EST
Sequence 5586	AA857178	EST		Sequence 5639	AA983855	EST
Sequence 5587	AA857866	EST		Sequence 5640	AA983981	EST
Sequence 5588	AA857909	EST		Sequence 5641	AA987658	EST
Sequence 5589	AA858080	EST		Sequence 5642	AA988011	EST
Sequence 5590	AA861425	EST		Sequence 5643	AA995575	EST
Sequence 5591	AA863095	EST		Sequence 5644	AF017688	EST
Sequence 5592	AA863178	EST		Sequence 5645	AF038658	EST
Sequence 5593	AA863301	EST		Sequence 5646	AF156972	EST
Sequence 5594	AA864795	EST		Sequence 5647	AI003967	EST
Sequence 5595	AA864840	EST		Sequence 5648	AI014927	EST
Sequence 5596	AA865048	EST		Sequence 5649	AI015574	EST
Sequence 5597	AA865527	EST		Sequence 5650	AI015684	EST
Sequence 5598	AA866054	EST		Sequence 5651	AI016669	EST
Sequence 5599	AA866187	EST		Sequence 5652	AI017431	EST
Sequence 5600	AA872805	EST		Sequence 5653	AI022803	EST
Sequence 5601	AA873067	EST		Sequence 5654	AI027530	EST
Sequence 5602	AA883055	EST		Sequence 5655	AI028106	EST

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Sequence 5656	AI033217	EST		Sequence 5709	AI131491	EST
Sequence 5657	AI033544	EST		Sequence 5710	AI131519	EST
Sequence 5658	AI034256	EST		Sequence 5711	AI132924	EST
Sequence 5659	AI037920	EST		Sequence 5712	AI132935	EST
Sequence 5660	AI038174	EST		Sequence 5713	AI133084	EST
Sequence 5661	AI038986	EST		Sequence 5714	AI133612	EST
Sequence 5662	AI040206	EST		Sequence 5715	AI139126	EST
Sequence 5663	AI041842	EST		Sequence 5716	AI140251	EST
Sequence 5664	AI049664	EST		Sequence 5717	AI142021	EST
Sequence 5665	AI049958	EST		Sequence 5718	AI144010	EST
Sequence 5666	AI049960	EST		Sequence 5719	AI144292	EST
Sequence 5667	AI049971	EST		Sequence 5720	AI147850	EST
Sequence 5668	AI050869	EST		Sequence 5721	AI149528	EST
Sequence 5669	AI051428	EST		Sequence 5722	AI150623	EST
Sequence 5670	AI057094	EST		Sequence 5723	AI150931	EST
Sequence 5671	AI057186	EST		Sequence 5724	AI151207	EST
Sequence 5672	AI061351	EST		Sequence 5725	AI160151	EST
Sequence 5673	AI064937	EST		Sequence 5726	AI167394	EST
Sequence 5674	AI066425	EST		Sequence 5727	AI174595	EST
Sequence 5675	AI066692	EST		Sequence 5728	AI174750	EST
Sequence 5676	AI075024	EST		Sequence 5729	AI174904	EST
Sequence 5677	AI075041	EST		Sequence 5730	AI184237	EST
Sequence 5678	AI075198	EST		Sequence 5731	AI185018	EST
Sequence 5679	AI075798	EST		Sequence 5732	AI185821	EST
Sequence 5680	AI076172	EST		Sequence 5733	AI186216	EST
Sequence 5681	AI076814	EST		Sequence 5734	AI186468	EST
Sequence 5682	AI078121	EST		Sequence 5735	AI187334	EST
Sequence 5683	AI078772	EST		Sequence 5736	AI190288	EST
Sequence 5684	AI080063	EST		Sequence 5737	AI192630	EST
Sequence 5685	AI081113	EST		Sequence 5738	AI200038	EST
Sequence 5686	AI081894	EST		Sequence 5739	AI201119	EST
Sequence 5687	AI082228	EST		Sequence 5740	AI204275	EST
Sequence 5688	AI083771	EST		Sequence 5741	AI204557	EST
Sequence 5689	AI086676	EST		Sequence 5742	AI204572	EST
Sequence 5690	AI087139	EST		Sequence 5743	AI204698	EST
Sequence 5691	AI089371	EST		Sequence 5744	AI206250	EST
Sequence 5692	AI089630	EST		Sequence 5745	AI208783	EST
Sequence 5693	AI091340	EST		Sequence 5746	AI214206	EST
Sequence 5694	AI091406	EST		Sequence 5747	AI214239	EST
Sequence 5695	AI091540	EST		Sequence 5748	AI214375	EST
Sequence 5696	AI091838	EST		Sequence 5749	AI214600	EST
Sequence 5697	AI092271	EST		Sequence 5750	AI216188	EST
Sequence 5698	AI092324	EST		Sequence 5751	AI216966	EST
Sequence 5699	AI094332	EST		Sequence 5752	AI216969	EST
Sequence 5700	AI097410	EST		Sequence 5753	AI216971	EST
Sequence 5701	AI114584	EST		Sequence 5754	AI216990	EST
Sequence 5702	AI123045	EST		Sequence 5755	AI217003	EST
Sequence 5703	AI123763	EST		Sequence 5756	AI217019	EST
Sequence 5704	AI126867	EST		Sequence 5757	AI217035	EST
Sequence 5705	AI127721	EST		Sequence 5758	AI219738	EST
Sequence 5706	AI128019	EST		Sequence 5759	AI224982	EST
Sequence 5707	AI128925	EST		Sequence 5760	AI239983	EST
Sequence 5708	AI131043	EST		Sequence 5761	AI241819	EST

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Sequence 5762	AI245973	EST		Sequence 5815	AI301527	EST
Sequence 5763	AI246677	EST		Sequence 5816	AI302616	EST
Sequence 5764	AI249386	EST		Sequence 5817	AI302665	EST
Sequence 5765	AI252627	EST		Sequence 5818	AI307446	EST
Sequence 5766	AI253288	EST		Sequence 5819	AI307503	EST
Sequence 5767	AI253292	EST		Sequence 5820	AI307504	EST
Sequence 5768	AI253330	EST		Sequence 5821	AI307569	EST
Sequence 5769	AI253335	EST		Sequence 5822	AI308104	EST
Sequence 5770	AI253338	EST		Sequence 5823	AI309401	EST
Sequence 5771	AI253369	EST		Sequence 5824	AI309431	EST
Sequence 5772	AI253379	EST		Sequence 5825	AI309843	EST
Sequence 5773	AI253394	EST		Sequence 5826	AI309982	EST
Sequence 5774	AI253424	EST		Sequence 5827	AI334047	EST
Sequence 5775	AI253436	EST		Sequence 5828	AI338009	EST
Sequence 5776	AI264159	EST		Sequence 5829	AI339096	EST
Sequence 5777	AI267162	EST		Sequence 5830	AI339387	EST
Sequence 5778	AI267185	EST		Sequence 5831	AI339907	EST
Sequence 5779	AI267198	EST		Sequence 5832	AI340582	EST
Sequence 5780	AI267216	EST		Sequence 5833	AI341138	EST
Sequence 5781	AI267232	EST		Sequence 5834	AI341798	EST
Sequence 5782	AI267254	EST		Sequence 5835	AI342381	EST
Sequence 5783	AI267269	EST		Sequence 5836	AI342936	EST
Sequence 5784	AI267282	EST		Sequence 5837	AI344277	EST
Sequence 5785	AI267285	EST		Sequence 5838	AI347829	EST
Sequence 5786	AI267307	EST		Sequence 5839	AI349614	EST
Sequence 5787	AI267318	EST		Sequence 5840	AI352494	EST
Sequence 5788	AI267349	EST		Sequence 5841	AI355501	EST
Sequence 5789	AI267454	EST		Sequence 5842	AI355831	EST
Sequence 5790	AI267461	EST		Sequence 5843	AI357427	EST
Sequence 5791	AI267490	EST		Sequence 5844	AI358155	EST
Sequence 5792	AI267492	EST		Sequence 5845	AI359192	EST
Sequence 5793	AI267502	EST		Sequence 5846	AI360684	EST
Sequence 5794	AI267574	EST		Sequence 5847	AI361025	EST
Sequence 5795	AI267583	EST		Sequence 5848	AI361441	EST
Sequence 5796	AI267612	EST		Sequence 5849	AI361925	EST
Sequence 5797	AI267664	EST		Sequence 5850	AI362081	EST
Sequence 5798	AI268864	EST		Sequence 5851	AI362424	EST
Sequence 5799	AI269205	EST		Sequence 5852	AI364598	EST
Sequence 5800	AI273681	EST		Sequence 5853	AI365387	EST
Sequence 5801	AI274813	EST		Sequence 5854	AI365612	EST
Sequence 5802	AI275001	EST		Sequence 5855	AI366381	EST
Sequence 5803	AI275175	EST		Sequence 5856	AI366549	EST
Sequence 5804	AI276013	EST		Sequence 5857	AI366974	EST
Sequence 5805	AI276440	EST		Sequence 5858	AI374628	EST
Sequence 5806	AI278765	EST		Sequence 5859	AI376829	EST
Sequence 5807	AI279596	EST		Sequence 5860	AI377420	EST
Sequence 5808	AI285111	EST		Sequence 5861	AI377478	EST
Sequence 5809	AI286236	EST		Sequence 5862	AI377650	EST
Sequence 5810	AI298658	EST		Sequence 5863	AI377804	EST
Sequence 5811	AI298966	EST		Sequence 5864	AI379391	EST
Sequence 5812	AI299110	EST		Sequence 5865	AI393289	EST
Sequence 5813	AI299874	EST		Sequence 5866	AI394476	EST
Sequence 5814	AI300658	EST		Sequence 5867	AI400731	EST

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Sequence 5868	AI422167	EST		Sequence 5921	AI580254	EST
Sequence 5869	AI432229	EST		Sequence 5922	AI580520	EST
Sequence 5870	AI433157	EST		Sequence 5923	AI582177	EST
Sequence 5871	AI433976	EST		Sequence 5924	AI590227	EST
Sequence 5872	AI434223	EST		Sequence 5925	AI608975	EST
Sequence 5873	AI435039	EST		Sequence 5926	AI610362	EST
Sequence 5874	AI435548	EST		Sequence 5927	AI610402	EST
Sequence 5875	AI435928	EST		Sequence 5928	AI610690	EST
Sequence 5876	AI436456	EST		Sequence 5929	AI612913	EST
Sequence 5877	AI436697	EST		Sequence 5930	AI620284	EST
Sequence 5878	AI436722	EST		Sequence 5931	AI621153	EST
Sequence 5879	AI439762	EST		Sequence 5932	AI621209	EST
Sequence 5880	AI444809	EST		Sequence 5933	AI623991	EST
Sequence 5881	AI452662	EST		Sequence 5934	AI624006	EST
Sequence 5882	AI458145	EST		Sequence 5935	AI624434	EST
Sequence 5883	AI458391	EST		Sequence 5936	AI627303	EST
Sequence 5884	AI458572	EST		Sequence 5937	AI627716	EST
Sequence 5885	AI470023	EST		Sequence 5938	AI627893	EST
Sequence 5886	AI471555	EST		Sequence 5939	AI627988	EST
Sequence 5887	AI471561	EST		Sequence 5940	AI628387	EST
Sequence 5888	AI472757	EST		Sequence 5941	AI630387	EST
Sequence 5889	AI473805	EST		Sequence 5942	AI630916	EST
Sequence 5890	AI476784	EST		Sequence 5943	AI631681	EST
Sequence 5891	AI479289	EST		Sequence 5944	AI633125	EST
Sequence 5892	AI492279	EST		Sequence 5945	AI633540	EST
Sequence 5893	AI499243	EST		Sequence 5946	AI633831	EST
Sequence 5894	AI499393	EST		Sequence 5947	AI634852	EST
Sequence 5895	AI499508	EST		Sequence 5948	AI635096	EST
Sequence 5896	AI500553	EST		Sequence 5949	AI635128	EST
Sequence 5897	AI521059	EST		Sequence 5950	AI635335	EST
Sequence 5898	AI521186	EST		Sequence 5951	AI636452	EST
Sequence 5899	AI521515	EST		Sequence 5952	AI638414	EST
Sequence 5900	AI521964	EST		Sequence 5953	AI640370	EST
Sequence 5901	AI523319	EST		Sequence 5954	AI651578	EST
Sequence 5902	AI524051	EST		Sequence 5955	AI651939	EST
Sequence 5903	AI526075	EST		Sequence 5956	AI652653	EST
Sequence 5904	AI536649	EST		Sequence 5957	AI653371	EST
Sequence 5905	AI536685	EST		Sequence 5958	AI653410	EST
Sequence 5906	AI537303	EST		Sequence 5959	AI654807	EST
Sequence 5907	AI538612	EST		Sequence 5960	AI655684	EST
Sequence 5908	AI538854	EST		Sequence 5961	AI656212	EST
Sequence 5909	AI539002	EST		Sequence 5962	AI669769	EST
Sequence 5910	AI547327	EST		Sequence 5963	AI671394	EST
Sequence 5911	AI564222	EST		Sequence 5964	AI674702	EST
Sequence 5912	AI564503	EST		Sequence 5965	AI675562	EST
Sequence 5913	AI564515	EST		Sequence 5966	AI678099	EST
Sequence 5914	AI564540	EST		Sequence 5967	AI678672	EST
Sequence 5915	AI567087	EST		Sequence 5968	AI679771	EST
Sequence 5916	AI567300	EST		Sequence 5969	AI682417	EST
Sequence 5917	AI568167	EST		Sequence 5970	AI687127	EST
Sequence 5918	AI569583	EST		Sequence 5971	AI687362	EST
Sequence 5919	AI569660	EST		Sequence 5972	AI692479	EST
Sequence 5920	AI571127	EST		Sequence 5973	AI693146	EST

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Sequence 5974	AI693381	EST		Sequence 6027	AI870463	EST
Sequence 5975	AI693398	EST		Sequence 6028	AI871278	EST
Sequence 5976	AI703380	EST		Sequence 6029	AI871591	EST
Sequence 5977	AI721185	EST		Sequence 6030	AI873320	EST
Sequence 5978	AI721187	EST		Sequence 6031	AI887649	EST
Sequence 5979	AI739567	EST		Sequence 6032	AI888953	EST
Sequence 5980	AI740561	EST		Sequence 6033	AI889237	EST
Sequence 5981	AI741355	EST		Sequence 6034	AI889252	EST
Sequence 5982	AI741872	EST		Sequence 6035	AI902307	EST
Sequence 5983	AI742046	EST		Sequence 6036	AI903567	EST
Sequence 5984	AI742680	EST		Sequence 6037	AI904743	EST
Sequence 5985	AI743303	EST		Sequence 6038	AI905689	EST
Sequence 5986	AI743615	EST		Sequence 6039	AI909863	EST
Sequence 5987	AI743745	EST		Sequence 6040	AI913247	EST
Sequence 5988	AI744612	EST		Sequence 6041	AI914128	EST
Sequence 5989	AI745422	EST		Sequence 6042	AI916419	EST
Sequence 5990	AI745670	EST		Sequence 6043	AI917253	EST
Sequence 5991	AI753009	EST		Sequence 6044	AI918989	EST
Sequence 5992	AI758320	EST		Sequence 6045	AI919531	EST
Sequence 5993	AI758869	EST		Sequence 6046	AI922198	EST
Sequence 5994	AI761213	EST		Sequence 6047	AI928486	EST
Sequence 5995	AI761759	EST		Sequence 6048	AI934339	EST
Sequence 5996	AI762894	EST		Sequence 6049	AI936201	EST
Sequence 5997	AI763126	EST		Sequence 6050	AI942311	EST
Sequence 5998	AI763355	EST		Sequence 6051	AI950028	EST
Sequence 5999	AI766666	EST		Sequence 6052	AI952360	EST
Sequence 6000	AI767729	EST		Sequence 6053	AI952518	EST
Sequence 6001	AI768854	EST		Sequence 6054	AI963604	EST
Sequence 6002	AI792109	EST		Sequence 6055	AI963654	EST
Sequence 6003	AI793011	EST		Sequence 6056	AI969601	EST
Sequence 6004	AI796566	EST		Sequence 6057	AI971254	EST
Sequence 6005	AI797593	EST		Sequence 6058	AI984755	EST
Sequence 6006	AI798461	EST		Sequence 6059	AI992139	EST
Sequence 6007	AI799364	EST		Sequence 6060	AL036020	EST
Sequence 6008	AI800762	EST		Sequence 6061	AL036021	EST
Sequence 6009	AI802826	EST		Sequence 6062	AL036801	EST
Sequence 6010	AI804432	EST		Sequence 6063	AL037724	EST
Sequence 6011	AI805385	EST		Sequence 6064	AL038058	EST
Sequence 6012	AI809653	EST		Sequence 6065	AL039220	EST
Sequence 6013	AI811466	EST		Sequence 6066	AL040264	EST
Sequence 6014	AI813671	EST		Sequence 6067	AL044978	EST
Sequence 6015	AI815057	EST		Sequence 6068	AL046834	EST
Sequence 6016	AI815383	EST		Sequence 6069	AL046991	EST
Sequence 6017	AI818007	EST		Sequence 6070	AL047516	EST
Sequence 6018	AI818488	EST		Sequence 6071	AL079358	EST
Sequence 6019	AI824517	EST		Sequence 6072	AL079742	EST
Sequence 6020	AI828220	EST		Sequence 6073	AL118581	EST
Sequence 6021	AI829571	EST		Sequence 6074	AL119494	EST
Sequence 6022	AI830378	EST		Sequence 6075	AL120851	EST
Sequence 6023	AI831514	EST		Sequence 6076	AL121515	EST
Sequence 6024	AI832100	EST		Sequence 6077	AW009422	EST
Sequence 6025	AI833238	EST		Sequence 6078	AW009635	EST
Sequence 6026	AI867679	EST		Sequence 6079	AW014686	EST

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Sequence 6080	AW022635	EST		Sequence 6133	AW238764	EST
Sequence 6081	AW025141	EST		Sequence 6134	AW262272	EST
Sequence 6082	AW027283	EST		Sequence 6135	AW262626	EST
Sequence 6083	AW027341	EST		Sequence 6136	AW265101	EST
Sequence 6084	AW028184	EST		Sequence 6137	AW273276	EST
Sequence 6085	AW028594	EST		Sequence 6138	AW274567	EST
Sequence 6086	AW051352	EST		Sequence 6139	AW291143	EST
Sequence 6087	AW055075	EST		Sequence 6140	AW291884	EST
Sequence 6088	AW062323	EST		Sequence 6141	AW294882	EST
Sequence 6089	AW062867	EST		Sequence 6142	AW296725	EST
Sequence 6090	AW068111	EST		Sequence 6143	AW298799	EST
Sequence 6091	AW070394	EST		Sequence 6144	AW327386	EST
Sequence 6092	AW070854	EST		Sequence 6145	AW328497	EST
Sequence 6093	AW073699	EST		Sequence 6146	AW360981	EST
Sequence 6094	AW074172	EST		Sequence 6147	AW361269	EST
Sequence 6095	AW075413	EST		Sequence 6148	AW368857	EST
Sequence 6096	AW079267	EST		Sequence 6149	AW369579	EST
Sequence 6097	AW079699	EST		Sequence 6150	AW370387	EST
Sequence 6098	AW080346	EST		Sequence 6151	AW373761	EST
Sequence 6099	AW080738	EST		Sequence 6152	AW377512	EST
Sequence 6100	AW080948	EST		Sequence 6153	AW380115	EST
Sequence 6101	AW084572	EST		Sequence 6154	AW382923	EST
Sequence 6102	AW084937	EST		Sequence 6155	AW393932	EST
Sequence 6103	AW088043	EST		Sequence 6156	AW402446	EST
Sequence 6104	AW102765	EST		Sequence 6157	AW405651	EST
Sequence 6105	AW102841	EST		Sequence 6158	AW409700	EST
Sequence 6106	AW103017	EST		Sequence 6159	AW410110	EST
Sequence 6107	AW104724	EST		Sequence 6160	AW474534	EST
Sequence 6108	AW105459	EST		Sequence 6161	AW498854	EST
Sequence 6109	AW129909	EST		Sequence 6162	AW517994	EST
Sequence 6110	AW130193	EST		Sequence 6163	C00034	EST
Sequence 6111	AW130272	EST		Sequence 6164	C06036	EST
Sequence 6112	AW134828	EST		Sequence 6165	C14781	EST
Sequence 6113	AW138167	EST		Sequence 6166	D51360	EST
Sequence 6114	AW138413	EST		Sequence 6167	D63233	EST
Sequence 6115	AW139660	EST		Sequence 6168	F09531	EST
Sequence 6116	AW149390	EST		Sequence 6169	H05941	EST
Sequence 6117	AW151732	EST		Sequence 6170	H12452	EST
Sequence 6118	AW160834	EST		Sequence 6171	H14423	EST
Sequence 6119	AW162311	EST		Sequence 6172	H15339	EST
Sequence 6120	AW163183	EST		Sequence 6173	H15640	EST
Sequence 6121	AW182534	EST		Sequence 6174	H17240	EST
Sequence 6122	AW188763	EST		Sequence 6175	H17532	EST
Sequence 6123	AW193689	EST		Sequence 6176	H52090	EST
Sequence 6124	AW194691	EST		Sequence 6177	H52812	EST
Sequence 6125	AW197744	EST		Sequence 6178	H56978	EST
Sequence 6126	AW206445	EST		Sequence 6179	H60163	EST
Sequence 6127	AW237962	EST		Sequence 6180	H62133	EST
Sequence 6128	AW237984	EST		Sequence 6181	H66019	EST
Sequence 6129	AW238080	EST		Sequence 6182	H71076	EST
Sequence 6130	AW238366	EST		Sequence 6183	H78370	EST
Sequence 6131	AW238421	EST		Sequence 6184	H81290	EST
Sequence 6132	AW238730	EST		Sequence 6185	H81426	EST

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Sequence 6186	N27513	EST		Sequence 6239	Z30065	EST
Sequence 6187	N32666	EST		Sequence 6240	Z43084	EST
Sequence 6188	N35890	EST		Sequence 6241	Q06061	NUCPATENT
Sequence 6189	N41323	EST		Sequence 6242	Q31691	NUCPATENT
Sequence 6190	N44865	EST		Sequence 6243	Q37741	NUCPATENT
Sequence 6191	N47636	EST		Sequence 6244	V44866	NUCPATENT
Sequence 6192	N49469	EST		Sequence 6245	V52850	NUCPATENT
Sequence 6193	N49477	EST		Sequence 6246	V58361	NUCPATENT
Sequence 6194	N49922	EST		Sequence 6247	V59600	NUCPATENT
Sequence 6195	N51344	EST		Sequence 6248	V84423	NUCPATENT
Sequence 6196	N57017	EST		Sequence 6249	V84526	NUCPATENT
Sequence 6197	N69445	EST		Sequence 6250	V84537	NUCPATENT
Sequence 6198	N74264	EST		Sequence 6251	X04366	NUCPATENT
Sequence 6199	N74921	EST		Sequence 6252	X23980	NUCPATENT
Sequence 6200	N79217	EST		Sequence 6253	X27419	NUCPATENT
Sequence 6201	N90704	EST		Sequence 6254	X27438	NUCPATENT
Sequence 6202	N92507	EST		Sequence 6255	X37380	NUCPATENT
Sequence 6203	R12994	EST		Sequence 6256	X37385	NUCPATENT
Sequence 6204	R15245	EST		Sequence 6257	X84935	NUCPATENT
Sequence 6205	R17267	EST		Sequence 6258	X84983	NUCPATENT
Sequence 6206	R43752	EST		Sequence 6259	X89854	NUCPATENT
Sequence 6207	R45177	EST		Sequence 6260	X97741	NUCPATENT
Sequence 6208	R51669	EST		Sequence 6261	Z00455	NUCPATENT
Sequence 6209	R52729	EST		Sequence 6262	Z16433	NUCPATENT
Sequence 6210	R71884	EST		Sequence 6263	Z16766	NUCPATENT
Sequence 6211	R78710	EST		Sequence 6264	Z17163	NUCPATENT
Sequence 6212	R80488	EST		Sequence 6265	Z18355	NUCPATENT
Sequence 6213	R92083	EST		Sequence 6266	Z18356	NUCPATENT
Sequence 6214	R96897	EST		Sequence 6267	Z21102	NUCPATENT
Sequence 6215	T05657	EST		Sequence 6268	Z24626	NUCPATENT
Sequence 6216	T08287	EST		Sequence 6269	Z24865	NUCPATENT
Sequence 6217	T15530	EST		Sequence 6270	Z24872	NUCPATENT
Sequence 6218	T19106	EST		Sequence 6271	Z28452	NUCPATENT
Sequence 6219	T28214	EST		Sequence 6272	Z33949	NUCPATENT
Sequence 6220	T32551	EST		Sequence 6273	AC00625	PREPATNUC
Sequence 6221	T71092	EST		Sequence 6274	AC31122	PREPATNUC
Sequence 6222	W03366	EST		Sequence 6275	AC31449	PREPATNUC
Sequence 6223	W05174	EST		Sequence 6276	AC32748	PREPATNUC
Sequence 6224	W05440	EST		Sequence 6277	AC34250	PREPATNUC
Sequence 6225	W19723	EST		Sequence 6278	AC36074	PREPATNUC
Sequence 6226	W19883	EST		Sequence 6279	AC36084	PREPATNUC
Sequence 6227	W22178	EST		Sequence 6280	AC36088	PREPATNUC
Sequence 6228	W25057	EST		Sequence 6281	AC36099	PREPATNUC
Sequence 6229	W26354	EST		Sequence 6282	AC36100	PREPATNUC
Sequence 6230	W38676	EST		Sequence 6283	AC36117	PREPATNUC
Sequence 6231	W48698	EST		Sequence 6284	AC36119	PREPATNUC
Sequence 6232	W52085	EST		Sequence 6285	AC36127	PREPATNUC
Sequence 6233	W58061	EST		Sequence 6286	AC36141	PREPATNUC
Sequence 6234	W60916	EST		Sequence 6287	AC36175	PREPATNUC
Sequence 6235	W63701	EST		Sequence 6288	AC36179	PREPATNUC
Sequence 6236	W67441	EST		Sequence 6289	AC36180	PREPATNUC
Sequence 6237	W78809	EST		Sequence 6290	AC36195	PREPATNUC
Sequence 6238	W79102	EST		Sequence 6291	AC36201	PREPATNUC

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Sequence 6292	AC36206	PREPATNUC	Sequence 6345	AB017018	NUC
Sequence 6293	AC36214	PREPATNUC	Sequence 6346	AB018080	NUC
Sequence 6294	AC36215	PREPATNUC	Sequence 6347	AB018266	NUC
Sequence 6295	AC36694	PREPATNUC	Sequence 6348	AB018289	NUC
Sequence 6296	AC36731	PREPATNUC	Sequence 6349	AB018305	NUC
Sequence 6297	AC36747	PREPATNUC	Sequence 6350	AB018313	NUC
Sequence 6298	AC36788	PREPATNUC	Sequence 6351	AB018319	NUC
Sequence 6299	AC36813	PREPATNUC	Sequence 6352	AB018327	NUC
Sequence 6300	AC36927	PREPATNUC	Sequence 6353	AB019392	NUC
Sequence 6301	AC37170	PREPATNUC	Sequence 6354	AB019435	NUC
Sequence 6302	A02759	NUC	Sequence 6355	AB019494	NUC
Sequence 6303	A16796	NUC	Sequence 6356	AB019564	NUC
Sequence 6304	A26609	NUC	Sequence 6357	AB019568	NUC
Sequence 6305	A32135	NUC	Sequence 6358	AB019691	NUC
Sequence 6306	A38807	NUC	Sequence 6359	AB020018	NUC
Sequence 6307	A42048	NUC	Sequence 6360	AB020658	NUC
Sequence 6308	A48430	NUC	Sequence 6361	AB020680	NUC
Sequence 6309	A61385	NUC	Sequence 6362	AB020715	NUC
Sequence 6310	A89694	NUC	Sequence 6363	AB020981	NUC
Sequence 6311	AB000115	NUC	Sequence 6364	AB021288	NUC
Sequence 6312	AB000276	NUC	Sequence 6365	AB023057	NUC
Sequence 6313	AB000468	NUC	Sequence 6366	AB023157	NUC
Sequence 6314	AB000516	NUC	Sequence 6367	AB023182	NUC
Sequence 6315	AB001106	NUC	Sequence 6368	AB023187	NUC
Sequence 6316	AB001636	NUC	Sequence 6369	AB023199	NUC
Sequence 6317	AB002155	NUC	Sequence 6370	AB023209	NUC
Sequence 6318	AB002306	NUC	Sequence 6371	AB023224	NUC
Sequence 6319	AB002347	NUC	Sequence 6372	AB023230	NUC
Sequence 6320	AB002382	NUC	Sequence 6373	AB024327	NUC
Sequence 6321	AB002387	NUC	Sequence 6374	AB024435	NUC
Sequence 6322	AB003102	NUC	Sequence 6375	AB024703	NUC
Sequence 6323	AB003730	NUC	Sequence 6376	AB024704	NUC
Sequence 6324	AB004857	NUC	Sequence 6377	AB028641	NUC
Sequence 6325	AB005289	NUC	Sequence 6378	AB028991	NUC
Sequence 6326	AB006534	NUC	Sequence 6379	AB029005	NUC
Sequence 6327	AB006746	NUC	Sequence 6380	AB029039	NUC
Sequence 6328	AB007152	NUC	Sequence 6381	AB029497	NUC
Sequence 6329	AB007619	NUC	Sequence 6382	AB032252	NUC
Sequence 6330	AB007856	NUC	Sequence 6383	AB032255	NUC
Sequence 6331	AB007858	NUC	Sequence 6384	AB032948	NUC
Sequence 6332	AB007940	NUC	Sequence 6385	AB032959	NUC
Sequence 6333	AB007976	NUC	Sequence 6386	AB032983	NUC
Sequence 6334	AB008681	NUC	Sequence 6387	AB033047	NUC
Sequence 6335	AB009284	NUC	Sequence 6388	AB033048	NUC
Sequence 6336	AB009398	NUC	Sequence 6389	AB033058	NUC
Sequence 6337	AB010874	NUC	Sequence 6390	AB033061	NUC
Sequence 6338	AB010882	NUC	Sequence 6391	AB033069	NUC
Sequence 6339	AB011108	NUC	Sequence 6392	AB033078	NUC
Sequence 6340	AB011154	NUC	Sequence 6393	AB033079	NUC
Sequence 6341	AB011169	NUC	Sequence 6394	AB033082	NUC
Sequence 6342	AB014524	NUC	Sequence 6395	AB033094	NUC
Sequence 6343	AB014525	NUC	Sequence 6396	AB033899	NUC
Sequence 6344	AB016533	NUC	Sequence 6397	AB033906	NUC

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Sequence 6398	AB037844	NUC	Sequence 6451	AC005208	NUC
Sequence 6399	AC000024	NUC	Sequence 6452	AC005210	NUC
Sequence 6400	AC000064	NUC	Sequence 6453	AC005304	NUC
Sequence 6401	AC000394	NUC	Sequence 6454	AC005317	NUC
Sequence 6402	AC002050	NUC	Sequence 6455	AC005363	NUC
Sequence 6403	AC002086	NUC	Sequence 6456	AC005392	NUC
Sequence 6404	AC002094	NUC	Sequence 6457	AC005406	NUC
Sequence 6405	AC002097	NUC	Sequence 6458	AC005412	NUC
Sequence 6406	AC002309	NUC	Sequence 6459	AC005484	NUC
Sequence 6407	AC002403	NUC	Sequence 6460	AC005534	NUC
Sequence 6408	AC002420	NUC	Sequence 6461	AC005574	NUC
Sequence 6409	AC002476	NUC	Sequence 6462	AC005587	NUC
Sequence 6410	AC002540	NUC	Sequence 6463	AC005598	NUC
Sequence 6411	AC002543	NUC	Sequence 6464	AC005669	NUC
Sequence 6412	AC003029	NUC	Sequence 6465	AC005722	NUC
Sequence 6413	AC003041	NUC	Sequence 6466	AC005726	NUC
Sequence 6414	AC003043	NUC	Sequence 6467	AC005728	NUC
Sequence 6415	AC003086	NUC	Sequence 6468	AC005752	NUC
Sequence 6416	AC003108	NUC	Sequence 6469	AC005838	NUC
Sequence 6417	AC003682	NUC	Sequence 6470	AC005859	NUC
Sequence 6418	AC003983	NUC	Sequence 6471	AC005870	NUC
Sequence 6419	AC004003	NUC	Sequence 6472	AC005871	NUC
Sequence 6420	AC004010	NUC	Sequence 6473	AC005879	NUC
Sequence 6421	AC004054	NUC	Sequence 6474	AC005880	NUC
Sequence 6422	AC004059	NUC	Sequence 6475	AC005899	NUC
Sequence 6423	AC004080	NUC	Sequence 6476	AC005912	NUC
Sequence 6424	AC004106	NUC	Sequence 6477	AC005924	NUC
Sequence 6425	AC004139	NUC	Sequence 6478	AC006002	NUC
Sequence 6426	AC004148	NUC	Sequence 6479	AC006023	NUC
Sequence 6427	AC004185	NUC	Sequence 6480	AC006047	NUC
Sequence 6428	AC004210	NUC	Sequence 6481	AC006118	NUC
Sequence 6429	AC004383	NUC	Sequence 6482	AC006153	NUC
Sequence 6430	AC004386	NUC	Sequence 6483	AC006160	NUC
Sequence 6431	AC004416	NUC	Sequence 6484	AC006198	NUC
Sequence 6432	AC004456	NUC	Sequence 6485	AC006211	NUC
Sequence 6433	AC004510	NUC	Sequence 6486	AC006312	NUC
Sequence 6434	AC004540	NUC	Sequence 6487	AC006368	NUC
Sequence 6435	AC004583	NUC	Sequence 6488	AC006369	NUC
Sequence 6436	AC004650	NUC	Sequence 6489	AC006442	NUC
Sequence 6437	AC004774	NUC	Sequence 6490	AC006474	NUC
Sequence 6438	AC004821	NUC	Sequence 6491	AC006515	NUC
Sequence 6439	AC004876	NUC	Sequence 6492	AC006536	NUC
Sequence 6440	AC004889	NUC	Sequence 6493	AC006965	NUC
Sequence 6441	AC004891	NUC	Sequence 6494	AC007014	NUC
Sequence 6442	AC004923	NUC	Sequence 6495	AC007038	NUC
Sequence 6443	AC004938	NUC	Sequence 6496	AC007051	NUC
Sequence 6444	AC004943	NUC	Sequence 6497	AC007055	NUC
Sequence 6445	AC004976	NUC	Sequence 6498	AC007068	NUC
Sequence 6446	AC005034	NUC	Sequence 6499	AC007115	NUC
Sequence 6447	AC005037	NUC	Sequence 6500	AC007172	NUC
Sequence 6448	AC005046	NUC	Sequence 6501	AC007182	NUC
Sequence 6449	AC005070	NUC	Sequence 6502	AC007254	NUC
Sequence 6450	AC005188	NUC	Sequence 6503	AC007372	NUC

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Sequence 6504	AC007487	NUC		Sequence 6557	AF029914	NUC
Sequence 6505	AC007546	NUC		Sequence 6558	AF030455	NUC
Sequence 6506	AC007738	NUC		Sequence 6559	AF034607	NUC
Sequence 6507	AC007790	NUC		Sequence 6560	AF035812	NUC
Sequence 6508	AC007793	NUC		Sequence 6561	AF036715	NUC
Sequence 6509	AC008040	NUC		Sequence 6562	AF038451	NUC
Sequence 6510	AC008109	NUC		Sequence 6563	AF038954	NUC
Sequence 6511	AC008122	NUC		Sequence 6564	AF039023	NUC
Sequence 6512	AC008124	NUC		Sequence 6565	AF042084	NUC
Sequence 6513	AC008268	NUC		Sequence 6566	AF042273	NUC
Sequence 6514	AC009330	NUC		Sequence 6567	AF042729	NUC
Sequence 6515	AC009464	NUC		Sequence 6568	AF044956	NUC
Sequence 6516	AC009514	NUC		Sequence 6569	AF047470	NUC
Sequence 6517	AC018633	NUC		Sequence 6570	AF050641	NUC
Sequence 6518	AF000231	NUC		Sequence 6571	AF051894	NUC
Sequence 6519	AF001437	NUC		Sequence 6572	AF052124	NUC
Sequence 6520	AF001601	NUC		Sequence 6573	AF052153	NUC
Sequence 6521	AF001628	NUC		Sequence 6574	AF052577	NUC
Sequence 6522	AF001893	NUC		Sequence 6575	AF052578	NUC
Sequence 6523	AF003626	NUC		Sequence 6576	AF054284	NUC
Sequence 6524	AF003924	NUC		Sequence 6577	AF054838	NUC
Sequence 6525	AF005896	NUC		Sequence 6578	AF055012	NUC
Sequence 6526	AF006085	NUC		Sequence 6579	AF055015	NUC
Sequence 6527	AF007153	NUC		Sequence 6580	AF057160	NUC
Sequence 6528	AF007791	NUC		Sequence 6581	AF057356	NUC
Sequence 6529	AF008204	NUC		Sequence 6582	AF058907	NUC
Sequence 6530	AF008442	NUC		Sequence 6583	AF061292	NUC
Sequence 6531	AF009466	NUC		Sequence 6584	AF062318	NUC
Sequence 6532	AF011387	NUC		Sequence 6585	AF062323	NUC
Sequence 6533	AF013758	NUC		Sequence 6586	AF064257	NUC
Sequence 6534	AF013759	NUC		Sequence 6587	AF064861	NUC
Sequence 6535	AF013988	NUC		Sequence 6588	AF065388	NUC
Sequence 6536	AF015040	NUC		Sequence 6589	AF067724	NUC
Sequence 6537	AF015767	NUC		Sequence 6590	AF067817	NUC
Sequence 6538	AF017104	NUC		Sequence 6591	AF068235	NUC
Sequence 6539	AF017257	NUC		Sequence 6592	AF069765	NUC
Sequence 6540	AF017790	NUC		Sequence 6593	AF070523	NUC
Sequence 6541	AF019226	NUC		Sequence 6594	AF070562	NUC
Sequence 6542	AF020038	NUC		Sequence 6595	AF070640	NUC
Sequence 6543	AF020340	NUC		Sequence 6596	AF070655	NUC
Sequence 6544	AF020591	NUC		Sequence 6597	AF070662	NUC
Sequence 6545	AF020797	NUC		Sequence 6598	AF071219	NUC
Sequence 6546	AF022215	NUC		Sequence 6599	AF071593	NUC
Sequence 6547	AF022799	NUC		Sequence 6600	AF071738	NUC
Sequence 6548	AF023244	NUC		Sequence 6601	AF071742	NUC
Sequence 6549	AF023268	NUC		Sequence 6602	AF074995	NUC
Sequence 6550	AF025440	NUC		Sequence 6603	AF075061	NUC
Sequence 6551	AF026246	NUC		Sequence 6604	AF077053	NUC
Sequence 6552	AF026292	NUC		Sequence 6605	AF077200	NUC
Sequence 6553	AF026939	NUC		Sequence 6606	AF078861	NUC
Sequence 6554	AF027153	NUC		Sequence 6607	AF082179	NUC
Sequence 6555	AF027205	NUC		Sequence 6608	AF083217	NUC
Sequence 6556	AF028832	NUC		Sequence 6609	AF084555	NUC

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Sequence 6610	AF085359	NUC	Sequence 6663	AF147332	NUC
Sequence 6611	AF085868	NUC	Sequence 6664	AF150087	NUC
Sequence 6612	AF085987	NUC	Sequence 6665	AF150100	NUC
Sequence 6613	AF086175	NUC	Sequence 6666	AF151080	NUC
Sequence 6614	AF086336	NUC	Sequence 6667	AF151811	NUC
Sequence 6615	AF086352	NUC	Sequence 6668	AF151833	NUC
Sequence 6616	AF086541	NUC	Sequence 6669	AF151840	NUC
Sequence 6617	AF088017	NUC	Sequence 6670	AF151864	NUC
Sequence 6618	AF089744	NUC	Sequence 6671	AF151865	NUC
Sequence 6619	AF090891	NUC	Sequence 6672	AF151868	NUC
Sequence 6620	AF091087	NUC	Sequence 6673	AF151875	NUC
Sequence 6621	AF092092	NUC	Sequence 6674	AF151895	NUC
Sequence 6622	AF092905	NUC	Sequence 6675	AF152462	NUC
Sequence 6623	AF093239	NUC	Sequence 6676	AF155095	NUC
Sequence 6624	AF093535	NUC	Sequence 6677	AF155100	NUC
Sequence 6625	AF095719	NUC	Sequence 6678	AF156098	NUC
Sequence 6626	AF097535	NUC	Sequence 6679	AF161399	NUC
Sequence 6627	AF099149	NUC	Sequence 6680	AF161431	NUC
Sequence 6628	AF100928	NUC	Sequence 6681	AF161457	NUC
Sequence 6629	AF101044	NUC	Sequence 6682	AF161473	NUC
Sequence 6630	AF104015	NUC	Sequence 6683	AF161512	NUC
Sequence 6631	AF104266	NUC	Sequence 6684	AF170583	NUC
Sequence 6632	AF107045	NUC	Sequence 6685	AF172331	NUC
Sequence 6633	AF107405	NUC	Sequence 6686	AF176702	NUC
Sequence 6634	AF107406	NUC	Sequence 6687	AF177533	NUC
Sequence 6635	AF109907	NUC	Sequence 6688	AF178030	NUC
Sequence 6636	AF111713	NUC	Sequence 6689	AF181071	NUC
Sequence 6637	AF112219	NUC	Sequence 6690	AF182645	NUC
Sequence 6638	AF113016	NUC	Sequence 6691	AF187320	NUC
Sequence 6639	AF113676	NUC	Sequence 6692	AF187554	NUC
Sequence 6640	AF122922	NUC	Sequence 6693	AF187988	NUC
Sequence 6641	AF124438	NUC	Sequence 6694	AF188298	NUC
Sequence 6642	AF125098	NUC	Sequence 6695	AF191298	NUC
Sequence 6643	AF125525	NUC	Sequence 6696	AF191338	NUC
Sequence 6644	AF126962	NUC	Sequence 6697	AF192466	NUC
Sequence 6645	AF127761	NUC	Sequence 6698	AF196971	NUC
Sequence 6646	AF129755	NUC	Sequence 6699	AF200465	NUC
Sequence 6647	AF129927	NUC	Sequence 6700	AF203815	NUC
Sequence 6648	AF131742	NUC	Sequence 6701	AF208043	NUC
Sequence 6649	AF131760	NUC	Sequence 6702	AF227510	NUC
Sequence 6650	AF131819	NUC	Sequence 6703	AJ000097	NUC
Sequence 6651	AF131838	NUC	Sequence 6704	AJ000512	NUC
Sequence 6652	AF131859	NUC	Sequence 6705	AJ001443	NUC
Sequence 6653	AF132937	NUC	Sequence 6706	AJ002744	NUC
Sequence 6654	AF132951	NUC	Sequence 6707	AJ005016	NUC
Sequence 6655	AF133425	NUC	Sequence 6708	AJ005273	NUC
Sequence 6656	AF134726	NUC	Sequence 6709	AJ007398	NUC
Sequence 6657	AF137030	NUC	Sequence 6710	AJ010017	NUC
Sequence 6658	AF137334	NUC	Sequence 6711	AJ010046	NUC
Sequence 6659	AF144755	NUC	Sequence 6712	AJ010071	NUC
Sequence 6660	AF146796	NUC	Sequence 6713	AJ010442	NUC
Sequence 6661	AF147306	NUC	Sequence 6714	AJ011081	NUC
Sequence 6662	AF147330	NUC	Sequence 6715	AJ222700	NUC

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Sequence 6716	AJ223333	NUC		Sequence 6769	AL035661	NUC
Sequence 6717	AJ224172	NUC		Sequence 6770	AL035681	NUC
Sequence 6718	AJ224173	NUC		Sequence 6771	AL035701	NUC
Sequence 6719	AJ224442	NUC		Sequence 6772	AL049383	NUC
Sequence 6720	AJ225089	NUC		Sequence 6773	AL049442	NUC
Sequence 6721	AJ271881	NUC		Sequence 6774	AL049471	NUC
Sequence 6722	AK000168	NUC		Sequence 6775	AL049540	NUC
Sequence 6723	AK000174	NUC		Sequence 6776	AL049610	NUC
Sequence 6724	AK000239	NUC		Sequence 6777	AL049705	NUC
Sequence 6725	AK000260	NUC		Sequence 6778	AL049757	NUC
Sequence 6726	AK000282	NUC		Sequence 6779	AL049824	NUC
Sequence 6727	AK000339	NUC		Sequence 6780	AL049829	NUC
Sequence 6728	AK000462	NUC		Sequence 6781	AL049951	NUC
Sequence 6729	AK000734	NUC		Sequence 6782	AL050064	NUC
Sequence 6730	AK001154	NUC		Sequence 6783	AL050089	NUC
Sequence 6731	AK001364	NUC		Sequence 6784	AL050179	NUC
Sequence 6732	AK001539	NUC		Sequence 6785	AL050197	NUC
Sequence 6733	AK001583	NUC		Sequence 6786	AL050228	NUC
Sequence 6734	AK001675	NUC		Sequence 6787	AL050258	NUC
Sequence 6735	AK001679	NUC		Sequence 6788	AL050265	NUC
Sequence 6736	AK001805	NUC		Sequence 6789	AL050308	NUC
Sequence 6737	AK002031	NUC		Sequence 6790	AL050353	NUC
Sequence 6738	AK002130	NUC		Sequence 6791	AL050373	NUC
Sequence 6739	AL008627	NUC		Sequence 6792	AL079288	NUC
Sequence 6740	AL009266	NUC		Sequence 6793	AL080066	NUC
Sequence 6741	AL021917	NUC		Sequence 6794	AL080102	NUC
Sequence 6742	AL021938	NUC		Sequence 6795	AL080116	NUC
Sequence 6743	AL021997	NUC		Sequence 6796	AL080185	NUC
Sequence 6744	AL022101	NUC		Sequence 6797	AL080202	NUC
Sequence 6745	AL022238	NUC		Sequence 6798	AL080206	NUC
Sequence 6746	AL022310	NUC		Sequence 6799	AL080312	NUC
Sequence 6747	AL022398	NUC		Sequence 6800	AL080317	NUC
Sequence 6748	AL022728	NUC		Sequence 6801	AL096719	NUC
Sequence 6749	AL024507	NUC		Sequence 6802	AL096773	NUC
Sequence 6750	AL031058	NUC		Sequence 6803	AL110126	NUC
Sequence 6751	AL031295	NUC		Sequence 6804	AL110140	NUC
Sequence 6752	AL031296	NUC		Sequence 6805	AL110141	NUC
Sequence 6753	AL031387	NUC		Sequence 6806	AL110180	NUC
Sequence 6754	AL031427	NUC		Sequence 6807	AL110183	NUC
Sequence 6755	AL031589	NUC		Sequence 6808	AL110196	NUC
Sequence 6756	AL031591	NUC		Sequence 6809	AL110271	NUC
Sequence 6757	AL031734	NUC		Sequence 6810	AL117561	NUC
Sequence 6758	AL031779	NUC		Sequence 6811	AL117563	NUC
Sequence 6759	AL033384	NUC		Sequence 6812	AL117666	NUC
Sequence 6760	AL033522	NUC		Sequence 6813	AL121694	NUC
Sequence 6761	AL034343	NUC		Sequence 6814	AL121734	NUC
Sequence 6762	AL034386	NUC		Sequence 6815	AL122079	NUC
Sequence 6763	AL034430	NUC		Sequence 6816	AL122097	NUC
Sequence 6764	AL035402	NUC		Sequence 6817	AL122115	NUC
Sequence 6765	AL035408	NUC		Sequence 6818	AL133000	NUC
Sequence 6766	AL035410	NUC		Sequence 6819	AL133052	NUC
Sequence 6767	AL035424	NUC		Sequence 6820	AL133163	NUC
Sequence 6768	AL035447	NUC		Sequence 6821	AL133371	NUC

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Sequence 6822	AL133500	NUC		Sequence 6875	D50926	NUC
Sequence 6823	AL133580	NUC		Sequence 6876	D63875	NUC
Sequence 6824	AL133592	NUC		Sequence 6877	D63877	NUC
Sequence 6825	AL133611	NUC		Sequence 6878	D79986	NUC
Sequence 6826	AL133654	NUC		Sequence 6879	D79997	NUC
Sequence 6827	AL135959	NUC		Sequence 6880	D80000	NUC
Sequence 6828	AL137515	NUC		Sequence 6881	D80005	NUC
Sequence 6829	AL137566	NUC		Sequence 6882	D80007	NUC
Sequence 6830	AL137681	NUC		Sequence 6883	D86227	NUC
Sequence 6831	AL137733	NUC		Sequence 6884	D86958	NUC
Sequence 6832	AL137760	NUC		Sequence 6885	D86978	NUC
Sequence 6833	AP000033	NUC		Sequence 6886	D86985	NUC
Sequence 6834	AP000038	NUC		Sequence 6887	D86996	NUC
Sequence 6835	AP000356	NUC		Sequence 6888	D87453	NUC
Sequence 6836	AP000495	NUC		Sequence 6889	D87454	NUC
Sequence 6837	AP000509	NUC		Sequence 6890	D87666	NUC
Sequence 6838	AP000525	NUC		Sequence 6891	D87667	NUC
Sequence 6839	D00596	NUC		Sequence 6892	D89640	NUC
Sequence 6840	D11466	NUC		Sequence 6893	D90226	NUC
Sequence 6841	D13639	NUC		Sequence 6894	E00195	NUC
Sequence 6842	D13645	NUC		Sequence 6895	E00410	NUC
Sequence 6843	D13666	NUC		Sequence 6896	E01094	NUC
Sequence 6844	D13748	NUC		Sequence 6897	E01650	NUC
Sequence 6845	D13866	NUC		Sequence 6898	E01662	NUC
Sequence 6846	D13892	NUC		Sequence 6899	E01915	NUC
Sequence 6847	D14658	NUC		Sequence 6900	E02628	NUC
Sequence 6848	D14663	NUC		Sequence 6901	E03414	NUC
Sequence 6849	D14665	NUC		Sequence 6902	E05293	NUC
Sequence 6850	D14696	NUC		Sequence 6903	E07218	NUC
Sequence 6851	D14710	NUC		Sequence 6904	E12457	NUC
Sequence 6852	D16431	NUC		Sequence 6905	E13203	NUC
Sequence 6853	D21163	NUC		Sequence 6906	E13330	NUC
Sequence 6854	D21254	NUC		Sequence 6907	J00126	NUC
Sequence 6855	D21261	NUC		Sequence 6908	J00200	NUC
Sequence 6856	D21262	NUC		Sequence 6909	J02619	NUC
Sequence 6857	D25274	NUC		Sequence 6910	J02642	NUC
Sequence 6858	D25542	NUC		Sequence 6911	J02770	NUC
Sequence 6859	D26443	NUC		Sequence 6912	J02908	NUC
Sequence 6860	D28137	NUC		Sequence 6913	J03040	NUC
Sequence 6861	D28473	NUC		Sequence 6914	J03198	NUC
Sequence 6862	D28759	NUC		Sequence 6915	J03209	NUC
Sequence 6863	D29643	NUC		Sequence 6916	J03473	NUC
Sequence 6864	D30037	NUC		Sequence 6917	J03507	NUC
Sequence 6865	D37991	NUC		Sequence 6918	J03575	NUC
Sequence 6866	D38112	NUC		Sequence 6919	J03827	NUC
Sequence 6867	D38524	NUC		Sequence 6920	J04080	NUC
Sequence 6868	D38552	NUC		Sequence 6921	J04088	NUC
Sequence 6869	D38555	NUC		Sequence 6922	J04137	NUC
Sequence 6870	D43951	NUC		Sequence 6923	J04164	NUC
Sequence 6871	D45198	NUC		Sequence 6924	J04607	NUC
Sequence 6872	D45248	NUC		Sequence 6925	J04794	NUC
Sequence 6873	D50372	NUC		Sequence 6926	J04970	NUC
Sequence 6874	D50919	NUC		Sequence 6927	J04977	NUC

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Sequence 6928	J04991	NUC		Sequence 6981	M24594	NUC
Sequence 6929	J05013	NUC		Sequence 6982	M24895	NUC
Sequence 6930	J05036	NUC		Sequence 6983	M25160	NUC
Sequence 6931	J05068	NUC		Sequence 6984	M25246	NUC
Sequence 6932	J05412	NUC		Sequence 6985	M26152	NUC
Sequence 6933	K03020	NUC		Sequence 6986	M26481	NUC
Sequence 6934	L00160	NUC		Sequence 6987	M28099	NUC
Sequence 6935	L03427	NUC		Sequence 6988	M30817	NUC
Sequence 6936	L06237	NUC		Sequence 6989	M30818	NUC
Sequence 6937	L07540	NUC		Sequence 6990	M31452	NUC
Sequence 6938	L07633	NUC		Sequence 6991	M32110	NUC
Sequence 6939	L08048	NUC		Sequence 6992	M32246	NUC
Sequence 6940	L08441	NUC		Sequence 6993	M32306	NUC
Sequence 6941	L10284	NUC		Sequence 6994	M33011	NUC
Sequence 6942	L11005	NUC		Sequence 6995	M33146	NUC
Sequence 6943	L11667	NUC		Sequence 6996	M33882	NUC
Sequence 6944	L13806	NUC		Sequence 6997	M33907	NUC
Sequence 6945	L13972	NUC		Sequence 6998	M34088	NUC
Sequence 6946	L13977	NUC		Sequence 6999	M35252	NUC
Sequence 6947	L20941	NUC		Sequence 7000	M37499	NUC
Sequence 6948	L22520	NUC		Sequence 7001	M37583	NUC
Sequence 6949	L25591	NUC		Sequence 7002	M37716	NUC
Sequence 6950	L29008	NUC		Sequence 7003	M38690	NUC
Sequence 6951	L31573	NUC		Sequence 7004	M57703	NUC
Sequence 6952	L33930	NUC		Sequence 7005	M58485	NUC
Sequence 6953	L34363	NUC		Sequence 7006	M59979	NUC
Sequence 6954	L38951	NUC		Sequence 7007	M61831	NUC
Sequence 6955	L39945	NUC		Sequence 7008	M62810	NUC
Sequence 6956	L43509	NUC		Sequence 7009	M64241	NUC
Sequence 6957	L43821	NUC		Sequence 7010	M73837	NUC
Sequence 6958	L44140	NUC		Sequence 7011	M74777	NUC
Sequence 6959	L49399	NUC		Sequence 7012	M77693	NUC
Sequence 6960	M10906	NUC		Sequence 7013	M83248	NUC
Sequence 6961	M11353	NUC		Sequence 7014	M84349	NUC
Sequence 6962	M12937	NUC		Sequence 7015	M84424	NUC
Sequence 6963	M14083	NUC		Sequence 7016	M84762	NUC
Sequence 6964	M14505	NUC		Sequence 7017	M87284	NUC
Sequence 6965	M14630	NUC		Sequence 7018	M87503	NUC
Sequence 6966	M14661	NUC		Sequence 7019	S61826	NUC
Sequence 6967	M14745	NUC		Sequence 7020	S67310	NUC
Sequence 6968	M15799	NUC		Sequence 7021	S69002	NUC
Sequence 6969	M16247	NUC		Sequence 7022	S70290	NUC
Sequence 6970	M16660	NUC		Sequence 7023	S73490	NUC
Sequence 6971	M17885	NUC		Sequence 7024	S82240	NUC
Sequence 6972	M17987	NUC		Sequence 7025	U00238	NUC
Sequence 6973	M18963	NUC		Sequence 7026	U02493	NUC
Sequence 6974	M18981	NUC		Sequence 7027	U03688	NUC
Sequence 6975	M22382	NUC		Sequence 7028	U07561	NUC
Sequence 6976	M22918	NUC		Sequence 7029	U09813	NUC
Sequence 6977	M23613	NUC		Sequence 7030	U09955	NUC
Sequence 6978	M23698	NUC		Sequence 7031	U10248	NUC
Sequence 6979	M23699	NUC		Sequence 7032	U10323	NUC
Sequence 6980	M24194	NUC		Sequence 7033	U12404	NUC

TABLE 6

Sequence 7034	U13616	NUC	Sequence 7087	U95367	NUC
Sequence 7035	U14394	NUC	Sequence 7088	V00518	NUC
Sequence 7036	U14966	NUC	Sequence 7089	X01630	NUC
Sequence 7037	U16738	NUC	Sequence 7090	X02530	NUC
Sequence 7038	U16799	NUC	Sequence 7091	X03559	NUC
Sequence 7039	U17163	NUC	Sequence 7092	X04201	NUC
Sequence 7040	U18422	NUC	Sequence 7093	X06272	NUC
Sequence 7041	U21858	NUC	Sequence 7094	X07819	NUC
Sequence 7042	U22815	NUC	Sequence 7095	X07820	NUC
Sequence 7043	U25997	NUC	Sequence 7096	X12433	NUC
Sequence 7044	U27768	NUC	Sequence 7097	X13694	NUC
Sequence 7045	U28042	NUC	Sequence 7098	X13923	NUC
Sequence 7046	U34994	NUC	Sequence 7099	X15187	NUC
Sequence 7047	U37547	NUC	Sequence 7100	X52142	NUC
Sequence 7048	U38784	NUC	Sequence 7101	X54304	NUC
Sequence 7049	U39400	NUC	Sequence 7102	X54326	NUC
Sequence 7050	U41060	NUC	Sequence 7103	X55733	NUC
Sequence 7051	U41384	NUC	Sequence 7104	X56351	NUC
Sequence 7052	U46570	NUC	Sequence 7105	X57398	NUC
Sequence 7053	U47674	NUC	Sequence 7106	X59131	NUC
Sequence 7054	U47924	NUC	Sequence 7107	X59244	NUC
Sequence 7055	U52969	NUC	Sequence 7108	X59543	NUC
Sequence 7056	U54558	NUC	Sequence 7109	X60489	NUC
Sequence 7057	U54562	NUC	Sequence 7110	X60653	NUC
Sequence 7058	U54804	NUC	Sequence 7111	X60673	NUC
Sequence 7059	U57911	NUC	Sequence 7112	X63432	NUC
Sequence 7060	U59919	NUC	Sequence 7113	X68277	NUC
Sequence 7061	U60259	NUC	Sequence 7114	X69150	NUC
Sequence 7062	U60261	NUC	Sequence 7115	X69962	NUC
Sequence 7063	U60666	NUC	Sequence 7116	X70649	NUC
Sequence 7064	U61397	NUC	Sequence 7117	X72727	NUC
Sequence 7065	U61847	NUC	Sequence 7118	X73902	NUC
Sequence 7066	U63743	NUC	Sequence 7119	X76057	NUC
Sequence 7067	U65011	NUC	Sequence 7120	X80910	NUC
Sequence 7068	U67122	NUC	Sequence 7121	X81892	NUC
Sequence 7069	U69668	NUC	Sequence 7122	X86098	NUC
Sequence 7070	U70981	NUC	Sequence 7123	X86691	NUC
Sequence 7071	U72935	NUC	Sequence 7124	X87241	NUC
Sequence 7072	U73843	NUC	Sequence 7125	X87344	NUC
Sequence 7073	U73945	NUC	Sequence 7126	X92744	NUC
Sequence 7074	U73960	NUC	Sequence 7127	X94910	NUC
Sequence 7075	U77085	NUC	Sequence 7128	X95762	NUC
Sequence 7076	U78107	NUC	Sequence 7129	X96698	NUC
Sequence 7077	U78303	NUC	Sequence 7130	X97674	NUC
Sequence 7078	U80460	NUC	Sequence 7131	X97675	NUC
Sequence 7079	U82130	NUC	Sequence 7132	X98296	NUC
Sequence 7080	U83857	NUC	Sequence 7133	X98494	NUC
Sequence 7081	U90268	NUC	Sequence 7134	X99886	NUC
Sequence 7082	U90546	NUC	Sequence 7135	Y00282	NUC
Sequence 7083	U90916	NUC	Sequence 7136	Y00711	NUC
Sequence 7084	U91321	NUC	Sequence 7137	Y08134	NUC
Sequence 7085	U91323	NUC	Sequence 7138	Y08564	NUC
Sequence 7086	U91327	NUC	Sequence 7139	Y10183	NUC

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Sequence 7140	Y13620	NUC	Sequence 7193	AA046979	EST
Sequence 7141	Y14486	NUC	Sequence 7194	AA046981	EST
Sequence 7142	Y15994	NUC	Sequence 7195	AA053661	EST
Sequence 7143	Z11531	NUC	Sequence 7196	AA053819	EST
Sequence 7144	Z11773	NUC	Sequence 7197	AA053923	EST
Sequence 7145	Z13009	NUC	Sequence 7198	AA054054	EST
Sequence 7146	Z23064	NUC	Sequence 7199	AA055329	EST
Sequence 7147	Z24724	NUC	Sequence 7200	AA055858	EST
Sequence 7148	Z25521	NUC	Sequence 7201	AA056409	EST
Sequence 7149	Z26317	NUC	Sequence 7202	AA056525	EST
Sequence 7150	Z29330	NUC	Sequence 7203	AA057790	EST
Sequence 7151	Z34289	NUC	Sequence 7204	AA059124	EST
Sequence 7152	Z36849	NUC	Sequence 7205	AA065267	EST
Sequence 7153	Z48579	NUC	Sequence 7206	AA065332	EST
Sequence 7154	Z48950	NUC	Sequence 7207	AA069759	EST
Sequence 7155	Z68289	NUC	Sequence 7208	AA071299	EST
Sequence 7156	Z70660	NUC	Sequence 7209	AA075045	EST
Sequence 7157	Z75331	NUC	Sequence 7210	AA075181	EST
Sequence 7158	Z85986	NUC	Sequence 7211	AA075460	EST
Sequence 7159	Z97832	NUC	Sequence 7212	AA075494	EST
Sequence 7160	Z97989	NUC	Sequence 7213	AA075632	EST
Sequence 7161	Z98049	NUC	Sequence 7214	AA075710	EST
Sequence 7162	Z98257	NUC	Sequence 7215	AA075786	EST
Sequence 7163	Z98750	NUC	Sequence 7216	AA075793	EST
Sequence 7164	Z99127	NUC	Sequence 7217	AA076454	EST
Sequence 7165	Z99128	NUC	Sequence 7218	AA079169	EST
Sequence 7166	Z99289	NUC	Sequence 7219	AA079541	EST
Sequence 7167	AA001819	EST	Sequence 7220	AA082347	EST
Sequence 7168	AA007370	EST	Sequence 7221	AA082730	EST
Sequence 7169	AA013031	EST	Sequence 7222	AA085777	EST
Sequence 7170	AA019734	EST	Sequence 7223	AA086087	EST
Sequence 7171	AA021403	EST	Sequence 7224	AA092161	EST
Sequence 7172	AA021512	EST	Sequence 7225	AA098975	EST
Sequence 7173	AA025139	EST	Sequence 7226	AA099123	EST
Sequence 7174	AA025432	EST	Sequence 7227	AA099180	EST
Sequence 7175	AA025795	EST	Sequence 7228	AA099399	EST
Sequence 7176	AA025929	EST	Sequence 7229	AA099777	EST
Sequence 7177	AA026038	EST	Sequence 7230	AA100531	EST
Sequence 7178	AA027903	EST	Sequence 7231	AA100658	EST
Sequence 7179	AA029157	EST	Sequence 7232	AA100852	EST
Sequence 7180	AA035667	EST	Sequence 7233	AA102362	EST
Sequence 7181	AA036745	EST	Sequence 7234	AA102609	EST
Sequence 7182	AA037172	EST	Sequence 7235	AA102815	EST
Sequence 7183	AA037886	EST	Sequence 7236	AA112374	EST
Sequence 7184	AA040405	EST	Sequence 7237	AA112842	EST
Sequence 7185	AA040820	EST	Sequence 7238	AA112882	EST
Sequence 7186	AA043433	EST	Sequence 7239	AA112957	EST
Sequence 7187	AA044205	EST	Sequence 7240	AA113928	EST
Sequence 7188	AA044209	EST	Sequence 7241	AA114122	EST
Sequence 7189	AA045605	EST	Sequence 7242	AA115003	EST
Sequence 7190	AA045888	EST	Sequence 7243	AA115021	EST
Sequence 7191	AA046621	EST	Sequence 7244	AA115307	EST
Sequence 7192	AA046864	EST	Sequence 7245	AA115600	EST

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Sequence 7246	AA120788	EST	Sequence 7299	AA169778	EST
Sequence 7247	AA120819	EST	Sequence 7300	AA171424	EST
Sequence 7248	AA121700	EST	Sequence 7301	AA171679	EST
Sequence 7249	AA122237	EST	Sequence 7302	AA171964	EST
Sequence 7250	AA126265	EST	Sequence 7303	AA172141	EST
Sequence 7251	AA126836	EST	Sequence 7304	AA173600	EST
Sequence 7252	AA127392	EST	Sequence 7305	AA180504	EST
Sequence 7253	AA127584	EST	Sequence 7306	AA181580	EST
Sequence 7254	AA127942	EST	Sequence 7307	AA182446	EST
Sequence 7255	AA128268	EST	Sequence 7308	AA186658	EST
Sequence 7256	AA129308	EST	Sequence 7309	AA186987	EST
Sequence 7257	AA130324	EST	Sequence 7310	AA187396	EST
Sequence 7258	AA130735	EST	Sequence 7311	AA188203	EST
Sequence 7259	AA130926	EST	Sequence 7312	AA192465	EST
Sequence 7260	AA131029	EST	Sequence 7313	AA193098	EST
Sequence 7261	AA131230	EST	Sequence 7314	AA193557	EST
Sequence 7262	AA132026	EST	Sequence 7315	AA195007	EST
Sequence 7263	AA132084	EST	Sequence 7316	AA195029	EST
Sequence 7264	AA132163	EST	Sequence 7317	AA195178	EST
Sequence 7265	AA132992	EST	Sequence 7318	AA196661	EST
Sequence 7266	AA133150	EST	Sequence 7319	AA199862	EST
Sequence 7267	AA134937	EST	Sequence 7320	AA203110	EST
Sequence 7268	AA135579	EST	Sequence 7321	AA203113	EST
Sequence 7269	AA136096	EST	Sequence 7322	AA203416	EST
Sequence 7270	AA136204	EST	Sequence 7323	AA203417	EST
Sequence 7271	AA143022	EST	Sequence 7324	AA205038	EST
Sequence 7272	AA143243	EST	Sequence 7325	AA206172	EST
Sequence 7273	AA146587	EST	Sequence 7326	AA209457	EST
Sequence 7274	AA146589	EST	Sequence 7327	AA211272	EST
Sequence 7275	AA146792	EST	Sequence 7328	AA211400	EST
Sequence 7276	AA146916	EST	Sequence 7329	AA211443	EST
Sequence 7277	AA147826	EST	Sequence 7330	AA211703	EST
Sequence 7278	AA147887	EST	Sequence 7331	AA214213	EST
Sequence 7279	AA148159	EST	Sequence 7332	AA215769	EST
Sequence 7280	AA149518	EST	Sequence 7333	AA223320	EST
Sequence 7281	AA150814	EST	Sequence 7334	AA224269	EST
Sequence 7282	AA150886	EST	Sequence 7335	AA225924	EST
Sequence 7283	AA152277	EST	Sequence 7336	AA226523	EST
Sequence 7284	AA155862	EST	Sequence 7337	AA228295	EST
Sequence 7285	AA156901	EST	Sequence 7338	AA229717	EST
Sequence 7286	AA159272	EST	Sequence 7339	AA232626	EST
Sequence 7287	AA159307	EST	Sequence 7340	AA232993	EST
Sequence 7288	AA160149	EST	Sequence 7341	AA233297	EST
Sequence 7289	AA160259	EST	Sequence 7342	AA234015	EST
Sequence 7290	AA164324	EST	Sequence 7343	AA234050	EST
Sequence 7291	AA164369	EST	Sequence 7344	AA236264	EST
Sequence 7292	AA165091	EST	Sequence 7345	AA236767	EST
Sequence 7293	AA165097	EST	Sequence 7346	AA236815	EST
Sequence 7294	AA165292	EST	Sequence 7347	AA242891	EST
Sequence 7295	AA165632	EST	Sequence 7348	AA243495	EST
Sequence 7296	AA165665	EST	Sequence 7349	AA247242	EST
Sequence 7297	AA166730	EST	Sequence 7350	AA251201	EST
Sequence 7298	AA167826	EST	Sequence 7351	AA251321	EST

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Sequence 7352	AA253153	EST	Sequence 7405	AA315689	EST
Sequence 7353	AA253493	EST	Sequence 7406	AA316159	EST
Sequence 7354	AA256560	EST	Sequence 7407	AA316207	EST
Sequence 7355	AA262387	EST	Sequence 7408	AA316423	EST
Sequence 7356	AA278241	EST	Sequence 7409	AA319601	EST
Sequence 7357	AA278470	EST	Sequence 7410	AA320292	EST
Sequence 7358	AA279189	EST	Sequence 7411	AA320417	EST
Sequence 7359	AA280099	EST	Sequence 7412	AA322901	EST
Sequence 7360	AA280962	EST	Sequence 7413	AA329116	EST
Sequence 7361	AA284199	EST	Sequence 7414	AA331264	EST
Sequence 7362	AA287219	EST	Sequence 7415	AA332144	EST
Sequence 7363	AA287463	EST	Sequence 7416	AA333447	EST
Sequence 7364	AA291716	EST	Sequence 7417	AA334311	EST
Sequence 7365	AA292166	EST	Sequence 7418	AA335888	EST
Sequence 7366	AA292974	EST	Sequence 7419	AA336073	EST
Sequence 7367	AA293132	EST	Sequence 7420	AA336367	EST
Sequence 7368	AA293273	EST	Sequence 7421	AA336412	EST
Sequence 7369	AA295736	EST	Sequence 7422	AA337075	EST
Sequence 7370	AA295982	EST	Sequence 7423	AA338097	EST
Sequence 7371	AA296100	EST	Sequence 7424	AA340701	EST
Sequence 7372	AA297401	EST	Sequence 7425	AA341990	EST
Sequence 7373	AA297402	EST	Sequence 7426	AA343753	EST
Sequence 7374	AA297750	EST	Sequence 7427	AA345837	EST
Sequence 7375	AA297809	EST	Sequence 7428	AA347725	EST
Sequence 7376	AA298980	EST	Sequence 7429	AA348339	EST
Sequence 7377	AA299411	EST	Sequence 7430	AA350558	EST
Sequence 7378	AA299640	EST	Sequence 7431	AA354666	EST
Sequence 7379	AA299962	EST	Sequence 7432	AA354928	EST
Sequence 7380	AA301910	EST	Sequence 7433	AA355956	EST
Sequence 7381	AA303264	EST	Sequence 7434	AA356615	EST
Sequence 7382	AA303814	EST	Sequence 7435	AA356831	EST
Sequence 7383	AA305098	EST	Sequence 7436	AA357376	EST
Sequence 7384	AA305331	EST	Sequence 7437	AA358887	EST
Sequence 7385	AA306146	EST	Sequence 7438	AA361374	EST
Sequence 7386	AA306372	EST	Sequence 7439	AA362403	EST
Sequence 7387	AA306763	EST	Sequence 7440	AA362778	EST
Sequence 7388	AA306982	EST	Sequence 7441	AA369238	EST
Sequence 7389	AA307089	EST	Sequence 7442	AA372191	EST
Sequence 7390	AA307108	EST	Sequence 7443	AA372344	EST
Sequence 7391	AA307475	EST	Sequence 7444	AA373694	EST
Sequence 7392	AA307644	EST	Sequence 7445	AA379448	EST
Sequence 7393	AA307717	EST	Sequence 7446	AA379871	EST
Sequence 7394	AA307728	EST	Sequence 7447	AA383051	EST
Sequence 7395	AA308485	EST	Sequence 7448	AA393452	EST
Sequence 7396	AA309624	EST	Sequence 7449	AA398560	EST
Sequence 7397	AA309866	EST	Sequence 7450	AA402045	EST
Sequence 7398	AA310156	EST	Sequence 7451	AA402289	EST
Sequence 7399	AA311006	EST	Sequence 7452	AA402945	EST
Sequence 7400	AA311849	EST	Sequence 7453	AA403188	EST
Sequence 7401	AA312394	EST	Sequence 7454	AA404214	EST
Sequence 7402	AA313348	EST	Sequence 7455	AA406034	EST
Sequence 7403	AA315049	EST	Sequence 7456	AA406395	EST
Sequence 7404	AA315317	EST	Sequence 7457	AA411219	EST

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Sequence 7458	AA411599	EST		Sequence 7511	AA476688	EST
Sequence 7459	AA411736	EST		Sequence 7512	AA477326	EST
Sequence 7460	AA412062	EST		Sequence 7513	AA477828	EST
Sequence 7461	AA416873	EST		Sequence 7514	AA478710	EST
Sequence 7462	AA417789	EST		Sequence 7515	AA479308	EST
Sequence 7463	AA418177	EST		Sequence 7516	AA480122	EST
Sequence 7464	AA420758	EST		Sequence 7517	AA480512	EST
Sequence 7465	AA420789	EST		Sequence 7518	AA482434	EST
Sequence 7466	AA421754	EST		Sequence 7519	AA482853	EST
Sequence 7467	AA425167	EST		Sequence 7520	AA483243	EST
Sequence 7468	AA425250	EST		Sequence 7521	AA483903	EST
Sequence 7469	AA425414	EST		Sequence 7522	AA485460	EST
Sequence 7470	AA436517	EST		Sequence 7523	AA485467	EST
Sequence 7471	AA436568	EST		Sequence 7524	AA486015	EST
Sequence 7472	AA441786	EST		Sequence 7525	AA486673	EST
Sequence 7473	AA441787	EST		Sequence 7526	AA487468	EST
Sequence 7474	AA442184	EST		Sequence 7527	AA488250	EST
Sequence 7475	AA442503	EST		Sequence 7528	AA488892	EST
Sequence 7476	AA442556	EST		Sequence 7529	AA488964	EST
Sequence 7477	AA443829	EST		Sequence 7530	AA489004	EST
Sequence 7478	AA444170	EST		Sequence 7531	AA489498	EST
Sequence 7479	AA445911	EST		Sequence 7532	AA491776	EST
Sequence 7480	AA446436	EST		Sequence 7533	AA493295	EST
Sequence 7481	AA446693	EST		Sequence 7534	AA493647	EST
Sequence 7482	AA447170	EST		Sequence 7535	AA494295	EST
Sequence 7483	AA447411	EST		Sequence 7536	AA497078	EST
Sequence 7484	AA449039	EST		Sequence 7537	AA501475	EST
Sequence 7485	AA451923	EST		Sequence 7538	AA501945	EST
Sequence 7486	AA452369	EST		Sequence 7539	AA504293	EST
Sequence 7487	AA453188	EST		Sequence 7540	AA504509	EST
Sequence 7488	AA453727	EST		Sequence 7541	AA505321	EST
Sequence 7489	AA453799	EST		Sequence 7542	AA508051	EST
Sequence 7490	AA453985	EST		Sequence 7543	AA513640	EST
Sequence 7491	AA454492	EST		Sequence 7544	AA513789	EST
Sequence 7492	AA454884	EST		Sequence 7545	AA514775	EST
Sequence 7493	AA454912	EST		Sequence 7546	AA515857	EST
Sequence 7494	AA454971	EST		Sequence 7547	AA516035	EST
Sequence 7495	AA454973	EST		Sequence 7548	AA521456	EST
Sequence 7496	AA455069	EST		Sequence 7549	AA523877	EST
Sequence 7497	AA455089	EST		Sequence 7550	AA525178	EST
Sequence 7498	AA455644	EST		Sequence 7551	AA527851	EST
Sequence 7499	AA455916	EST		Sequence 7552	AA533029	EST
Sequence 7500	AA456454	EST		Sequence 7553	AA543047	EST
Sequence 7501	AA456675	EST		Sequence 7554	AA552037	EST
Sequence 7502	AA456721	EST		Sequence 7555	AA552441	EST
Sequence 7503	AA459527	EST		Sequence 7556	AA557194	EST
Sequence 7504	AA460658	EST		Sequence 7557	AA558201	EST
Sequence 7505	AA460816	EST		Sequence 7558	AA564674	EST
Sequence 7506	AA463237	EST		Sequence 7559	AA572790	EST
Sequence 7507	AA465322	EST		Sequence 7560	AA573557	EST
Sequence 7508	AA465494	EST		Sequence 7561	AA573778	EST
Sequence 7509	AA469906	EST		Sequence 7562	AA574237	EST
Sequence 7510	AA469993	EST		Sequence 7563	AA576535	EST

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Sequence 7564	AA576920	EST		Sequence 7617	AA694050	EST
Sequence 7565	AA579356	EST		Sequence 7618	AA700561	EST
Sequence 7566	AA579816	EST		Sequence 7619	AA702210	EST
Sequence 7567	AA582093	EST		Sequence 7620	AA703053	EST
Sequence 7568	AA582422	EST		Sequence 7621	AA703312	EST
Sequence 7569	AA582852	EST		Sequence 7622	AA705008	EST
Sequence 7570	AA583306	EST		Sequence 7623	AA705516	EST
Sequence 7571	AA583796	EST		Sequence 7624	AA705578	EST
Sequence 7572	AA586969	EST		Sequence 7625	AA706685	EST
Sequence 7573	AA593864	EST		Sequence 7626	AA706716	EST
Sequence 7574	AA594604	EST		Sequence 7627	AA715444	EST
Sequence 7575	AA594986	EST		Sequence 7628	AA716634	EST
Sequence 7576	AA599051	EST		Sequence 7629	AA724381	EST
Sequence 7577	AA599145	EST		Sequence 7630	AA728987	EST
Sequence 7578	AA604353	EST		Sequence 7631	AA747691	EST
Sequence 7579	AA608996	EST		Sequence 7632	AA761356	EST
Sequence 7580	AA609259	EST		Sequence 7633	AA768292	EST
Sequence 7581	AA609419	EST		Sequence 7634	AA773003	EST
Sequence 7582	AA621289	EST		Sequence 7635	AA773889	EST
Sequence 7583	AA622383	EST		Sequence 7636	AA774458	EST
Sequence 7584	AA622564	EST		Sequence 7637	AA775085	EST
Sequence 7585	AA625165	EST		Sequence 7638	AA775616	EST
Sequence 7586	AA625222	EST		Sequence 7639	AA776593	EST
Sequence 7587	AA625739	EST		Sequence 7640	AA778858	EST
Sequence 7588	AA626681	EST		Sequence 7641	AA778901	EST
Sequence 7589	AA626742	EST		Sequence 7642	AA779631	EST
Sequence 7590	AA627802	EST		Sequence 7643	AA779683	EST
Sequence 7591	AA628088	EST		Sequence 7644	AA781195	EST
Sequence 7592	AA628461	EST		Sequence 7645	AA789225	EST
Sequence 7593	AA628480	EST		Sequence 7646	AA806534	EST
Sequence 7594	AA628907	EST		Sequence 7647	AA807199	EST
Sequence 7595	AA628912	EST		Sequence 7648	AA808713	EST
Sequence 7596	AA629401	EST		Sequence 7649	AA810407	EST
Sequence 7597	AA634925	EST		Sequence 7650	AA811131	EST
Sequence 7598	AA635867	EST		Sequence 7651	AA814964	EST
Sequence 7599	AA635926	EST		Sequence 7652	AA824313	EST
Sequence 7600	AA639042	EST		Sequence 7653	AA825497	EST
Sequence 7601	AA643631	EST		Sequence 7654	AA826307	EST
Sequence 7602	AA643713	EST		Sequence 7655	AA828518	EST
Sequence 7603	AA644624	EST		Sequence 7656	AA828577	EST
Sequence 7604	AA648405	EST		Sequence 7657	AA833900	EST
Sequence 7605	AA648989	EST		Sequence 7658	AA835479	EST
Sequence 7606	AA651815	EST		Sequence 7659	AA837305	EST
Sequence 7607	AA653287	EST		Sequence 7660	AA838075	EST
Sequence 7608	AA661860	EST		Sequence 7661	AA843176	EST
Sequence 7609	AA663011	EST		Sequence 7662	AA843407	EST
Sequence 7610	AA663033	EST		Sequence 7663	AA845646	EST
Sequence 7611	AA663188	EST		Sequence 7664	AA846576	EST
Sequence 7612	AA664370	EST		Sequence 7665	AA847851	EST
Sequence 7613	AA664798	EST		Sequence 7666	AA861212	EST
Sequence 7614	AA665210	EST		Sequence 7667	AA868174	EST
Sequence 7615	AA675923	EST		Sequence 7668	AA883508	EST
Sequence 7616	AA693533	EST		Sequence 7669	AA884922	EST

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Sequence 7670	AA886231	EST	Sequence 7723	AI088778	EST
Sequence 7671	AA903507	EST	Sequence 7724	AI090809	EST
Sequence 7672	AA904079	EST	Sequence 7725	AI095941	EST
Sequence 7673	AA905621	EST	Sequence 7726	AI124700	EST
Sequence 7674	AA907186	EST	Sequence 7727	AI125184	EST
Sequence 7675	AA917914	EST	Sequence 7728	AI125852	EST
Sequence 7676	AA927399	EST	Sequence 7729	AI126647	EST
Sequence 7677	AA931541	EST	Sequence 7730	AI131470	EST
Sequence 7678	AA931895	EST	Sequence 7731	AI133148	EST
Sequence 7679	AA933777	EST	Sequence 7732	AI133208	EST
Sequence 7680	AA934495	EST	Sequence 7733	AI139177	EST
Sequence 7681	AA938187	EST	Sequence 7734	AI143899	EST
Sequence 7682	AA946653	EST	Sequence 7735	AI147221	EST
Sequence 7683	AA948043	EST	Sequence 7736	AI147463	EST
Sequence 7684	AA953731	EST	Sequence 7737	AI147560	EST
Sequence 7685	AA971611	EST	Sequence 7738	AI148389	EST
Sequence 7686	AA972782	EST	Sequence 7739	AI148474	EST
Sequence 7687	AA974409	EST	Sequence 7740	AI184237	EST
Sequence 7688	AA974878	EST	Sequence 7741	AI184275	EST
Sequence 7689	AA975791	EST	Sequence 7742	AI184420	EST
Sequence 7690	AA983341	EST	Sequence 7743	AI185825	EST
Sequence 7691	AA991398	EST	Sequence 7744	AI186216	EST
Sequence 7692	AF017688	EST	Sequence 7745	AI189010	EST
Sequence 7693	AF063539	EST	Sequence 7746	AI192568	EST
Sequence 7694	AF150268	EST	Sequence 7747	AI198861	EST
Sequence 7695	AI005167	EST	Sequence 7748	AI200038	EST
Sequence 7696	AI022487	EST	Sequence 7749	AI201875	EST
Sequence 7697	AI022771	EST	Sequence 7750	AI203342	EST
Sequence 7698	AI023288	EST	Sequence 7751	AI204001	EST
Sequence 7699	AI023453	EST	Sequence 7752	AI204916	EST
Sequence 7700	AI024079	EST	Sequence 7753	AI206483	EST
Sequence 7701	AI025519	EST	Sequence 7754	AI207423	EST
Sequence 7702	AI034213	EST	Sequence 7755	AI215446	EST
Sequence 7703	AI038673	EST	Sequence 7756	AI216969	EST
Sequence 7704	AI040397	EST	Sequence 7757	AI216988	EST
Sequence 7705	AI041312	EST	Sequence 7758	AI217003	EST
Sequence 7706	AI042584	EST	Sequence 7759	AI217725	EST
Sequence 7707	AI049987	EST	Sequence 7760	AI217924	EST
Sequence 7708	AI051240	EST	Sequence 7761	AI219803	EST
Sequence 7709	AI052686	EST	Sequence 7762	AI225137	EST
Sequence 7710	AI052695	EST	Sequence 7763	AI245446	EST
Sequence 7711	AI056733	EST	Sequence 7764	AI247293	EST
Sequence 7712	AI057034	EST	Sequence 7765	AI253142	EST
Sequence 7713	AI076137	EST	Sequence 7766	AI253330	EST
Sequence 7714	AI079258	EST	Sequence 7767	AI253335	EST
Sequence 7715	AI082244	EST	Sequence 7768	AI253379	EST
Sequence 7716	AI082307	EST	Sequence 7769	AI253436	EST
Sequence 7717	AI082688	EST	Sequence 7770	AI261382	EST
Sequence 7718	AI082695	EST	Sequence 7771	AI261883	EST
Sequence 7719	AI082743	EST	Sequence 7772	AI262575	EST
Sequence 7720	AI083909	EST	Sequence 7773	AI264633	EST
Sequence 7721	AI085591	EST	Sequence 7774	AI267162	EST
Sequence 7722	AI087182	EST	Sequence 7775	AI267185	EST

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Sequence 7776	AI267216	EST		Sequence 7829	AI393584	EST
Sequence 7777	AI267254	EST		Sequence 7830	AI400161	EST
Sequence 7778	AI267282	EST		Sequence 7831	AI432969	EST
Sequence 7779	AI267285	EST		Sequence 7832	AI433393	EST
Sequence 7780	AI267289	EST		Sequence 7833	AI434468	EST
Sequence 7781	AI267307	EST		Sequence 7834	AI434518	EST
Sequence 7782	AI267351	EST		Sequence 7835	AI434606	EST
Sequence 7783	AI267417	EST		Sequence 7836	AI436456	EST
Sequence 7784	AI267420	EST		Sequence 7837	AI439717	EST
Sequence 7785	AI267454	EST		Sequence 7838	AI440350	EST
Sequence 7786	AI267477	EST		Sequence 7839	AI445979	EST
Sequence 7787	AI267492	EST		Sequence 7840	AI458823	EST
Sequence 7788	AI267502	EST		Sequence 7841	AI470086	EST .
Sequence 7789	AI267554	EST		Sequence 7842	AI473915	EST
Sequence 7790	AI267574	EST		Sequence 7843	AI474626	EST
Sequence 7791	AI267612	EST		Sequence 7844	AI476218	EST
Sequence 7792	AI267628	EST		Sequence 7845	AI498625	EST
Sequence 7793	AI267669	EST		Sequence 7846	AI499393	EST
Sequence 7794	AI267777	EST		Sequence 7847	AI499922	EST
Sequence 7795	AI267793	EST		Sequence 7848	AI521059	EST
Sequence 7796	AI267842	EST		Sequence 7849	AI537837	EST
Sequence 7797	AI269205	EST		Sequence 7850	AI557334	EST
Sequence 7798	AI271977	EST		Sequence 7851	AI557660	EST
Sequence 7799	AI272921	EST		Sequence 7852	AI559700	EST
Sequence 7800	AI274027	EST		Sequence 7853	AI564515	EST
Sequence 7801	AI275175	EST		Sequence 7854	AI564596	EST
Sequence 7802	AI276399	EST		Sequence 7855	AI570989	EST
Sequence 7803	AI278998	EST		Sequence 7856	AI572676	EST
Sequence 7804	AI279141	EST		Sequence 7857	AI581733	EST·
Sequence 7805	AI282281	EST		Sequence 7858	AI582642	EST
Sequence 7806	AI284215	EST		Sequence 7859	AI583135	EST
Sequence 7807	AI287489	EST		Sequence 7860	AI590222	EST
Sequence 7808	AI291356	EST		Sequence 7861	AI590808	EST
Sequence 7809	AI291589	EST		Sequence 7862	AI598121	EST
Sequence 7810	AI292128	EST		Sequence 7863	AI610285	EST
Sequence 7811	AI298453	EST		Sequence 7864	AI612913	EST
Sequence 7812	AI301132	EST		Sequence 7865	AI613073	EST
Sequence 7813	AI309431	EST		Sequence 7866	AI620284	EST
Sequence 7814	AI312542	EST		Sequence 7867	AI623804	EST
Sequence 7815	AI335208	EST		Sequence 7868	AI623991	EST
Sequence 7816	AI335269	EST		Sequence 7869	AI627211	EST
Sequence 7817	AI336850	EST		Sequence 7870	AI632839	EST
Sequence 7818	AI338085	EST		Sequence 7871	AI633868	EST
Sequence 7819	AI343059	EST		Sequence 7872	AI634852	EST
Sequence 7820	AI344277	EST		Sequence 7873	AI635096	EST
Sequence 7821	AI344359	EST		Sequence 7874	AI635779	EST
Sequence 7822	AI346290	EST		Sequence 7875	AI836445	EST
Sequence 7823	AI356625	EST		Sequence 7876	AI637608	EST
Sequence 7824	AI357620	EST		Sequence 7877	AI652047	EST
Sequence 7825	AI366381	EST		Sequence 7878	AI652876	EST
Sequence 7826	AI375141	EST		Sequence 7879	AI655794	EST
Sequence 7827	AI379493	EST		Sequence 7880	AI656354	EST
Sequence 7828	AI384005	EST		Sequence 7881	AI674650	EST

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Sequence 7882	AI675307	EST	Sequence 7935	AI922121	EST
Sequence 7883	AI680068	EST	Sequence 7936	AI924059	EST
Sequence 7884	AI681428	EST	Sequence 7937	AI924096	EST
Sequence 7885	AI683431	EST	Sequence 7938	AI927306	EST
Sequence 7886	AI684830	EST	Sequence 7939	AI928069	EST
Sequence 7887	AI686907	EST	Sequence 7940	AI928374	EST
Sequence 7888	AI687511	EST	Sequence 7941	AI928977	EST
Sequence 7889	AI689747	EST	Sequence 7942	AI929696	EST
Sequence 7890	AI690207	EST	Sequence 7943	AI935603	EST
Sequence 7891	AI693198	EST	Sequence 7944	AI950428	EST
Sequence 7892	AI695992	EST	Sequence 7945	AI950892	EST
Sequence 7893	AI697470	EST	Sequence 7946	AL036002	EST
Sequence 7894	AI700750	EST	Sequence 7947	AL040800	EST
Sequence 7895	AI708706	EST	Sequence 7948	AL040922	EST
Sequence 7896	AI718042	EST	Sequence 7949	AL043237	EST
Sequence 7897	AI733299	EST	Sequence 7950	AL044055	EST
Sequence 7898	AI738919	EST	Sequence 7951	AL044123	EST
Sequence 7899	AI740458	EST	Sequence 7952	AL045000	EST
Sequence 7900	AI741765	EST	Sequence 7953	AL045305	EST
Sequence 7901	AI742093	EST	Sequence 7954	AL045809	EST
Sequence 7902	AI742708	EST	Sequence 7955	AL048643	EST
Sequence 7903	AI743415	EST	Sequence 7956	AL079400	EST
Sequence 7904	AI744982	EST	Sequence 7957	AL119272	EST
Sequence 7905	AI750201	EST	Sequence 7958	AL120560	EST
Sequence 7906	AI753386	EST	Sequence 7959	AL135279	EST
Sequence 7907	AI760068	EST	Sequence 7960	AL138381	EST
Sequence 7908	AI797994	EST	Sequence 7961	AW015055	EST
Sequence 7909	AI798680	EST	Sequence 7962	AW020467	EST
Sequence 7910	AI800807	EST	Sequence 7963	AW025188	EST
Sequence 7911	AI801898	EST	Sequence 7964	AW058497	EST
Sequence 7912	AI807036	EST	Sequence 7965	AW069331	EST
Sequence 7913	AI812075	EST	Sequence 7966	AW105540	EST
Sequence 7914	AI813900	EST	Sequence 7967	AW117805	EST
Sequence 7915	AI814368	EST	Sequence 7968	AW118475	EST
Sequence 7916	AI815384	EST	Sequence 7969	AW148750	EST
Sequence 7917	AI818510	EST	Sequence 7970	AW150827	EST
Sequence 7918	AI821669	EST	Sequence 7971	AW157068	EST
Sequence 7919	AI826841	EST	Sequence 7972	AW170480	EST
Sequence 7920	AI830584	EST	Sequence 7973	AW173052	EST
Sequence 7921	AI858347	EST	Sequence 7974	AW175965	EST
Sequence 7922	AI860319	EST	Sequence 7975	AW177365	EST
Sequence 7923	AI879040	EST	Sequence 7976	AW182510	EST
Sequence 7924	AI888895	EST	Sequence 7977	AW183733	EST
Sequence 7925	AI888914	EST	Sequence 7978	AW189705	EST
Sequence 7926	AI889542	EST	Sequence 7979	AW194103	EST
Sequence 7927	AI890347	EST	Sequence 7980	AW194691	EST
Sequence 7928	AI902568	EST	Sequence 7981	AW238936	EST
Sequence 7929	AI903894	EST	Sequence 7982	AW247746	EST
Sequence 7930	AI904067	EST	Sequence 7983	AW249055	EST
Sequence 7931	AI904282	EST	Sequence 7984	AW291124	EST
Sequence 7932	AI906001	EST	Sequence 7985	AW291143	EST
Sequence 7933	AI906398	EST	Sequence 7986	AW294882	EST
Sequence 7934	AI909710	EST	Sequence 7987	AW304711	EST

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Sequence 7988	AW327245	EST		Sequence 8041	T08510	EST
Sequence 7989	AW339456	EST		Sequence 8042	T25386	EST
Sequence 7990	AW364017	EST		Sequence 8043	T39321	EST
Sequence 7991	AW402446	EST		Sequence 8044	T61747	EST
Sequence 7992	AW404636	EST		Sequence 8045	T73087	EST
Sequence 7993	AW410053	EST		Sequence 8046	T92108	EST
Sequence 7994	AW410771	EST		Sequence 8047	T92944	EST
Sequence 7995	AW501708	EST		Sequence 8048	T94003	EST
Sequence 7996	C04801	EST		Sequence 8049	U55977	EST
Sequence 7997	C06126	EST		Sequence 8050	W01923	EST
Sequence 7998	C16523	EST		Sequence 8051	W05027	EST
Sequence 7999	C18127	EST		Sequence 8052	W19899	EST
Sequence 8000	D11545	EST		Sequence 8053	W25222	EST
Sequence 8001	F02705	EST		Sequence 8054	W25578	EST
Sequence 8002	F06016	EST		Sequence 8055	W26688	EST
Sequence 8003	F06621	EST		Sequence 8056	W38534	EST
Sequence 8004	F06989	EST		Sequence 8057	W39266	EST
Sequence 8005	H02051	EST		Sequence 8058	W40484	EST
Sequence 8006	H06566	EST		Sequence 8059	W67726	EST
Sequence 8007	H08369	EST		Sequence 8060	W81505	EST
Sequence 8008	H08511	EST		Sequence 8061	W87891	EST
Sequence 8009	H18273	EST		Sequence 8062	W90355	EST
Sequence 8010	H22606	EST		Sequence 8063	Z25208	EST
Sequence 8011	H25393	EST		Sequence 8064	Z43935	EST
Sequence 8012	H27029	EST		Sequence 8065	Q74082	NUCPATENT
Sequence 8013	H38017	EST		Sequence 8066	T31854	NUCPATENT
Sequence 8014	H39906	EST		Sequence 8067	T63340	NUCPATENT
Sequence 8015	H42293	EST		Sequence 8068	T94830	NUCPATENT
Sequence 8016	H48606	EST		Sequence 8069	V40542	NUCPATENT
Sequence 8017	H53926	EST		Sequence 8070	V43612	NUCPATENT
Sequence 8018	H63067	EST		Sequence 8071	V59631	NUCPATENT
Sequence 8019	H63486	EST		Sequence 8072	V61633	NUCPATENT
Sequence 8020	H65002	EST		Sequence 8073	V61647	NUCPATENT
Sequence 8021	H80365	EST		Sequence 8074	V84443	NUCPATENT
Sequence 8022	H99149	EST		Sequence 8075	V84545	NUCPATENT
Sequence 8023	N30986	EST		Sequence 8076	V87041	NUCPATENT
Sequence 8024	N31018	EST		Sequence 8077	V89834	NUCPATENT
Sequence 8025	N41827	EST		Sequence 8078	X26850	NUCPATENT
Sequence 8026	N58519	EST		Sequence 8079	X35727	NUCPATENT
Sequence 8027	N71214	EST		Sequence 8080	X37405	NUCPATENT
Sequence 8028	R08064	EST		Sequence 8081	X40596	NUCPATENT
Sequence 8029	R11894	EST		Sequence 8082	X41016	NUCPATENT
Sequence 8030	R14044	EST		Sequence 8083	X98830	NUCPATENT
Sequence 8031	R34718	EST		Sequence 8084	Z07193	NUCPATENT
Sequence 8032	R51676	EST		Sequence 8085	Z15285	NUCPATENT
Sequence 8033	R62669	EST		Sequence 8086	Z15832	NUCPATENT
Sequence 8034	R66556	EST		Sequence 8087	Z18355	NUCPATENT
Sequence 8035	R67522	EST		Sequence 8088	Z18356	NUCPATENT
Sequence 8036	R80613	EST		Sequence 8089	Z33949	NUCPATENT
Sequence 8037	R89407	EST		Sequence 8090	Z34275	NUCPATENT
Sequence 8038	R92632	EST		Sequence 8091	Z42028	NUCPATENT
Sequence 8039	R95461	EST		Sequence 8092	AC31118	PREPATNUC
Sequence 8040	T05324	EST		Sequence 8093	AC32793	PREPATNUC

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Sequence 8094	AC33481	PREPATNUC	Sequence 8147	AB016068	NUC
Sequence 8095	AC33985	PREPATNUC	Sequence 8148	AB018262	NUC
Sequence 8096	AC34316	PREPATNUC	Sequence 8149	AB018272	NUC
Sequence 8097	AC34368	PREPATNUC	Sequence 8150	AB018305	NUC
Sequence 8098	AC35078	PREPATNUC	Sequence 8151	AB018340	NUC
Sequence 8099	AC35162	PREPATNUC	Sequence 8152	AB018347	NUC
Sequence 8100	AC35182	PREPATNUC	Sequence 8153	AB019568	NUC
Sequence 8101	AC35230	PREPATNUC	Sequence 8154	AB019691	NUC
Sequence 8102	AC35777	PREPATNUC	Sequence 8155	AB020633	NUC
Sequence 8103	AC35854	PREPATNUC	Sequence 8156	AB020657	NUC
Sequence 8104	AC36057	PREPATNUC	Sequence 8157	AB020658	NUC
Sequence 8105	AC36195	PREPATNUC	Sequence 8158	AB020694	NUC
Sequence 8106	AC36201	PREPATNUC	Sequence 8159	AB020703	NUC
Sequence 8107	AC36718	PREPATNUC	Sequence 8160	AB020710	NUC
Sequence 8108	AC36789	PREPATNUC	Sequence 8161	AB020718	NUC
Sequence 8109	A08910	NUC	Sequence 8162	AB020867	NUC
Sequence 8110	A12295	NUC	Sequence 8163	AB023049	NUC
Sequence 8111	A14133	NUC	Sequence 8164	AB023188	NUC
Sequence 8112	A21185	NUC	Sequence 8165	AB023194	NUC
Sequence 8113	A21187	NUC	Sequence 8166	AB023421	NUC
Sequence 8114	A32137	NUC	Sequence 8167	AB026436	NUC
Sequence 8115	AB000468	NUC	Sequence 8168	AB028961	NUC
Sequence 8116	AB001106	NUC	Sequence 8169	AB029019	NUC
Sequence 8117	AB001914	NUC	Sequence 8170	AB029020	NUC
Sequence 8118	AB001928	NUC	Sequence 8171	AB032952	NUC
Sequence 8119	AB002303	NUC	Sequence 8172	AB032957	NUC
Sequence 8120	AB002330	NUC	Sequence 8173	AB032980	NUC
Sequence 8121	AB002333	NUC	Sequence 8174	AB033017	NUC
Sequence 8122	AB002334	NUC	Sequence 8175	AB033020	NUC
Sequence 8123	AB002366	NUC	Sequence 8176	AB033033	NUC
Sequence 8124	AB002391	NUC	Sequence 8177	AB033045	NUC
Sequence 8125	AB003102	NUC	Sequence 8178	AB033048	NUC
Sequence 8126	AB003730	NUC	Sequence 8179	AB033051	NUC
Sequence 8127	AB004546	NUC	Sequence 8180	AB033064	NUC
Sequence 8128	AB006679	NUC	Sequence 8181	AB033082	NUC
Sequence 8129	AB007447	NUC	Sequence 8182	AB033084	NUC
Sequence 8130	AB007888	NUC	Sequence 8183	AB033086	NUC
Sequence 8131	AB007896	NUC	Sequence 8184	AB033092	NUC
Sequence 8132	AB007941	NUC	Sequence 8185	AC000015	NUC
Sequence 8133	AB009398	NUC	Sequence 8186	AC000024	NUC
Sequence 8134	AB011102	NUC	Sequence 8187	AC000031	NUC
Sequence 8135	AB011108	NUC	Sequence 8188	AC000064	NUC
Sequence 8136	AB011132	NUC	Sequence 8189	AC000394	NUC
Sequence 8137	AB011142	NUC	Sequence 8190	AC001001	NUC
Sequence 8138	AB011165	NUC	Sequence 8191	AC001642	NUC
Sequence 8139	AB012130	NUC	Sequence 8192	AC002076	NUC
Sequence 8140	AB013139	NUC	Sequence 8193	AC002299	NUC
Sequence 8141	AB014511	NUC	Sequence 8194	AC002350	NUC
Sequence 8142	AB014525	NUC	Sequence 8195	AC002357	NUC
Sequence 8143	AB014536	NUC	Sequence 8196	AC002410	NUC
Sequence 8144	AB014563	NUC	Sequence 8197	AC002416	NUC
Sequence 8145	AB014599	NUC	Sequence 8198	AC002451	NUC
Sequence 8146	AB015639	NUC	Sequence 8199	AC002520	NUC

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Sequence 8200	AC002543	NUC		Sequence 8253	AC005365	NUC
Sequence 8201	AC002549	NUC		Sequence 8254	AC005406	NUC
Sequence 8202	AC003007	NUC		Sequence 8255	AC005480	NUC
Sequence 8203	AC003014	NUC		Sequence 8256	AC005488	NUC
Sequence 8204	AC003036	NUC		Sequence 8257	AC005541	NUC
Sequence 8205	AC003983	NUC		Sequence 8258	AC005588	NUC
Sequence 8206	AC004032	NUC		Sequence 8259	AC005598	NUC
Sequence 8207	AC004054	NUC		Sequence 8260	AC005612	NUC
Sequence 8208	AC004066	NUC		Sequence 8261	AC005730	NUC
Sequence 8209	AC004130	NUC		Sequence 8262	AC005854	NUC
Sequence 8210	AC004131	NUC		Sequence 8263	AC005880	NUC
Sequence 8211	AC004150	NUC		Sequence 8264	AC005899	NUC
Sequence 8212	AC004168	NUC		Sequence 8265	AC005924	NUC
Sequence 8213	AC004185	NUC		Sequence 8266	AC006001	NUC
Sequence 8214	AC004240	NUC		Sequence 8267	AC006017	NUC
Sequence 8215	AC004263	NUC		Sequence 8268	AC006047	NUC
Sequence 8216	AC004381	NUC		Sequence 8269	AC006050	NUC
Sequence 8217	AC004510	NUC		Sequence 8270	AC006059	NUC
Sequence 8218	AC004526	NUC		Sequence 8271	AC006064	NUC
Sequence 8219	AC004540	NUC		Sequence 8272	AC006146	NUC
Sequence 8220	AC004587	NUC		Sequence 8273	AC006198	NUC
Sequence 8221	AC004638	NUC		Sequence 8274	AC006213	NUC
Sequence 8222	AC004650	NUC		Sequence 8275	AC006299	NUC
Sequence 8223	AC004686	NUC		Sequence 8276	AC006333	NUC
Sequence 8224	AC004691	NUC		Sequence 8277	AC006347	NUC
Sequence 8225	AC004707	NUC		Sequence 8278	AC006480	NUC
Sequence 8226	AC004749	NUC		Sequence 8279	AC006518	NUC
Sequence 8227	AC004817	NUC		Sequence 8280	AC006561	NUC
Sequence 8228	AC004821	NUC		Sequence 8281	AC006978	NUC
Sequence 8229	AC004850	NUC		Sequence 8282	AC007041	NUC
Sequence 8230	AC004854	NUC		Sequence 8283	AC007051	NUC
Sequence 8231	AC004883	NUC		Sequence 8284	AC007068	NUC
Sequence 8232	AC004889	NUC		Sequence 8285	AC007172	NUC
Sequence 8233	AC004904	NUC		Sequence 8286	AC007242	NUC
Sequence 8234	AC004913	NUC		Sequence 8287	AC007250	NUC
Sequence 8235	AC004943	NUC		Sequence 8288	AC007281	NUC
Sequence 8236	AC004955	NUC		Sequence 8289	AC007319	NUC
Sequence 8237	AC005021	NUC		Sequence 8290	AC007371	NUC
Sequence 8238	AC005023	NUC		Sequence 8291	AC007377	NUC
Sequence 8239	AC005037	NUC		Sequence 8292	AC007382	NUC
Sequence 8240	AC005042	NUC		Sequence 8293	AC007392	NUC
Sequence 8241	AC005046	NUC		Sequence 8294	AC007487	NUC
Sequence 8242	AC005058	NUC		Sequence 8295	AC007655	NUC
Sequence 8243	AC005069	NUC		Sequence 8296	AC007708	NUC
Sequence 8244	AC005074	NUC		Sequence 8297	AC007736	NUC
Sequence 8245	AC005189	NUC		Sequence 8298	AC007880	NUC
Sequence 8246	AC005208	NUC		Sequence 8299	AC008014	NUC
Sequence 8247	AC005225	NUC		Sequence 8300	AC008040	NUC
Sequence 8248	AC005261	NUC		Sequence 8301	AC008116	NUC
Sequence 8249	AC005281	NUC		Sequence 8302	AC008122	NUC
Sequence 8250	AC005295	NUC		Sequence 8303	AC008127	NUC
Sequence 8251	AC005316	NUC		Sequence 8304	AC008179	NUC
Sequence 8252	AC005323	NUC		Sequence 8305	AC009330	NUC

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Sequence 8306	AC009464	NUC		Sequence 8359	AF041259	NUC
Sequence 8307	AC009509	NUC		Sequence 8360	AF044588	NUC
Sequence 8308	AC009542	NUC		Sequence 8361	AF044923	NUC
Sequence 8309	AE000660	NUC		Sequence 8362	AF045451	NUC
Sequence 8310	AE000661	NUC		Sequence 8363	AF047181	NUC
Sequence 8311	AF000547	NUC		Sequence 8364	AF047439	NUC
Sequence 8312	AF001893	NUC		Sequence 8365	AF050110	NUC
Sequence 8313	AF002994	NUC		Sequence 8366	AF051852	NUC
Sequence 8314	AF003001	NUC		Sequence 8367	AF052093	NUC
Sequence 8315	AF004327	NUC		Sequence 8368	AF052124	NUC
Sequence 8316	AF004339	NUC		Sequence 8369	AF052577	NUC
Sequence 8317	AF004341	NUC		Sequence 8370	AF053551	NUC
Sequence 8318	AF005043	NUC		Sequence 8371	AF053977	NUC
Sequence 8319	AF005068	NUC		Sequence 8372	AF054174	NUC
Sequence 8320	AF006082	NUC		Sequence 8373	AF054179	NUC
Sequence 8321	AF006086	NUC		Sequence 8374	AF054838	NUC
Sequence 8322	AF006088	NUC		Sequence 8375	AF055994	NUC
Sequence 8323	AF006484	NUC		Sequence 8376	AF057299	NUC
Sequence 8324	AF007130	NUC		Sequence 8377	AF057352	NUC
Sequence 8325	AF007153	NUC		Sequence 8378	AF058696	NUC
Sequence 8326	AF007162	NUC		Sequence 8379	AF058718	NUC
Sequence 8327	AF007170	NUC		Sequence 8380	AF058907	NUC
Sequence 8328	AF007791	NUC		Sequence 8381	AF061938	NUC
Sequence 8329	AF009242	NUC		Sequence 8382	AF062179	NUC
Sequence 8330	AF011387	NUC		Sequence 8383	AF062529	NUC
Sequence 8331	AF011793	NUC		Sequence 8384	AF064257	NUC
Sequence 8332	AF013758	NUC		Sequence 8385	AF065388	NUC
Sequence 8333	AF017445	NUC		Sequence 8386	AF065391	NUC
Sequence 8334	AF020797	NUC		Sequence 8387	AF067817	NUC
Sequence 8335	AF022229	NUC		Sequence 8388	AF068846	NUC
Sequence 8336	AF022382	NUC		Sequence 8389	AF069668	NUC
Sequence 8337	AF022815	NUC		Sequence 8390	AF070592	NUC
Sequence 8338	AF023462	NUC		Sequence 8391	AF070652	NUC
Sequence 8339	AF025771	NUC		Sequence 8392	AF070655	NUC
Sequence 8340	AF025772	NUC		Sequence 8393	AF071219	NUC
Sequence 8341	AF026166	NUC		Sequence 8394	AF073518	NUC
Sequence 8342	AF026402	NUC		Sequence 8395	AF075061	NUC
Sequence 8343	AF026692	NUC		Sequence 8396	AF076957	NUC
Sequence 8344	AF026939	NUC		Sequence 8397	AF077033	NUC
Sequence 8345	AF027153	NUC		Sequence 8398	AF077034	NUC
Sequence 8346	AF027208	NUC		Sequence 8399	AF078861	NUC
Sequence 8347	AF029786	NUC		Sequence 8400	AF082657	NUC
Sequence 8348	AF032456	NUC		Sequence 8401	AF083395	NUC
Sequence 8349	AF032885	NUC		Sequence 8402	AF085359	NUC
Sequence 8350	AF033095	NUC		Sequence 8403	AF086313	NUC
Sequence 8351	AF035293	NUC		Sequence 8404	AF089744	NUC
Sequence 8352	AF035307	NUC		Sequence 8405	AF092128	NUC
Sequence 8353	AF035320	NUC		Sequence 8406	AF092133	NUC
Sequence 8354	AF035442	NUC		Sequence 8407	AF093250	NUC
Sequence 8355	AF035537	NUC		Sequence 8408	AF096290	NUC
Sequence 8356	AF038175	NUC		Sequence 8409	AF097026	NUC
Sequence 8357	AF038451	NUC		Sequence 8410	AF100742	NUC
Sequence 8358	AF039918	NUC		Sequence 8411	AF101051	NUC

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Sequence 8412	AF106862	NUC	Sequence 8465	AJ242015	NUC
Sequence 8413	AF108388	NUC	Sequence 8466	AJ243310	NUC
Sequence 8414	AF111168	NUC	Sequence 8467	AJ249248	NUC
Sequence 8415	AF111856	NUC	Sequence 8468	AL008627	NUC
Sequence 8416	AF112481	NUC	Sequence 8469	AL009177	NUC
Sequence 8417	AF112968	NUC	Sequence 8470	AL021368	NUC
Sequence 8418	AF112977	NUC	Sequence 8471	AL021407	NUC
Sequence 8419	AF118092	NUC	Sequence 8472	AL021451	NUC
Sequence 8420	AF118393	NUC	Sequence 8473	AL022238	NUC
Sequence 8421	AF118887	NUC	Sequence 8474	AL022240	NUC
Sequence 8422	AF121855	NUC	Sequence 8475	AL022394	NUC
Sequence 8423	AF124438	NUC	Sequence 8476	AL022726	NUC
Sequence 8424	AF124439	NUC	Sequence 8477	AL023095	NUC
Sequence 8425	AF125042	NUC	Sequence 8478	AL023578	NUC
Sequence 8426	AF126404	NUC	Sequence 8479	AL023582	NUC
Sequence 8427	AF126743	NUC	Sequence 8480	AL023584	NUC
Sequence 8428	AF128406	NUC	Sequence 8481	AL023807	NUC
Sequence 8429	AF131829	NUC	Sequence 8482	AL030996	NUC
Sequence 8430	AF132961	NUC	Sequence 8483	AL031058	NUC
Sequence 8431	AF133423	NUC	Sequence 8484	AL031132	NUC
Sequence 8432	AF134583	NUC	Sequence 8485	AL031287	NUC
Sequence 8433	AF146651	NUC	Sequence 8486	AL031387	NUC
Sequence 8434	AF147336	NUC	Sequence 8487	AL031777	NUC
Sequence 8435	AF151807	NUC	Sequence 8488	AL034376	NUC
Sequence 8436	AF151839	NUC	Sequence 8489	AL034379	NUC
Sequence 8437	AF151843	NUC	Sequence 8490	AL034417	NUC
Sequence 8438	AF151851	NUC	Sequence 8491	AL034418	NUC
Sequence 8439	AF151858	NUC	Sequence 8492	AL035071	NUC
Sequence 8440	AF151864	NUC	Sequence 8493	AL035209	NUC
Sequence 8441	AF152365	NUC	Sequence 8494	AL035410	NUC
Sequence 8442	AF152462	NUC	Sequence 8495	AL035411	NUC
Sequence 8443	AF153608	NUC	Sequence 8496	AL035467	NUC
Sequence 8444	AF155105	NUC	Sequence 8497	AL035608	NUC
Sequence 8445	AF159615	NUC	Sequence 8498	AL049422	NUC
Sequence 8446	AF165281	NUC	Sequence 8499	AL049610	NUC
Sequence 8447	AF169034	NUC	Sequence 8500	AL049631	NUC
Sequence 8448	AF169797	NUC	Sequence 8501	AL049742	NUC
Sequence 8449	AF172398	NUC	Sequence 8502	AL049748	NUC
Sequence 8450	AF174596	NUC	Sequence 8503	AL049757	NUC
Sequence 8451	AF178030	NUC	Sequence 8504	AL049766	NUC
Sequence 8452	AF190167	NUC	Sequence 8505	AL049859	NUC
Sequence 8453	AF191020	NUC	Sequence 8506	AL049929	NUC
Sequence 8454	AF191298	NUC	Sequence 8507	AL049940	NUC
Sequence 8455	AF191339	NUC	Sequence 8508	AL049951	NUC
Sequence 8456	AF201077	NUC	Sequence 8509	AL050051	NUC
Sequence 8457	AF205588	NUC	Sequence 8510	AL050071	NUC
Sequence 8458	AJ001306	NUC	Sequence 8511	AL050091	NUC
Sequence 8459	AJ005801	NUC	Sequence 8512	AL050105	NUC
Sequence 8460	AJ006996	NUC	Sequence 8513	AL050107	NUC
Sequence 8461	AJ012375	NUC	Sequence 8514	AL050161	NUC
Sequence 8462	AJ132637	NUC	Sequence 8515	AL050196	NUC
Sequence 8463	AJ224162	NUC	Sequence 8516	AL050331	NUC
Sequence 8464	AJ224875	NUC	Sequence 8517	AL050367	NUC

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Sequence 8518	AL078644	NUC		Sequence 8571	D49489	NUC
Sequence 8519	AL079338	NUC		Sequence 8572	D50006	NUC
Sequence 8520	AL080063	NUC		Sequence 8573	D50544	NUC
Sequence 8521	AL080078	NUC		Sequence 8574	D50579	NUC
Sequence 8522	AL080312	NUC		Sequence 8575	D50929	NUC
Sequence 8523	AL080317	NUC		Sequence 8576	D55654	NUC
Sequence 8524	AL109847	NUC		Sequence 8577	D63477	NUC
Sequence 8525	AL110103	NUC		Sequence 8578	D63486	NUC
Sequence 8526	AL110164	NUC		Sequence 8579	D78152	NUC
Sequence 8527	AL110253	NUC		Sequence 8580	D78341	NUC
Sequence 8528	AL117423	NUC		Sequence 8581	D79996	NUC
Sequence 8529	AL117463	NUC		Sequence 8582	D80005	NUC
Sequence 8530	AL117618	NUC		Sequence 8583	D82326	NUC
Sequence 8531	AL121576	NUC		Sequence 8584	D83485	NUC
Sequence 8532	AL121852	NUC		Sequence 8585	D84394	NUC
Sequence 8533	AL122041	NUC		Sequence 8586	D85181	NUC
Sequence 8534	AL122046	NUC		Sequence 8587	D86724	NUC
Sequence 8535	AL122062	NUC		Sequence 8588	D86958	NUC
Sequence 8536	AL122066	NUC		Sequence 8589	D86984	NUC
Sequence 8537	AL122075	NUC		Sequence 8590	D86985	NUC
Sequence 8538	AL122079	NUC		Sequence 8591	D87442	NUC
Sequence 8539	AL122096	NUC		Sequence 8592	D87445	NUC
Sequence 8540	AL133074	NUC		Sequence 8593	D87665	NUC
Sequence 8541	AP000038	NUC		Sequence 8594	D87666	NUC
Sequence 8542	AP000046	NUC		Sequence 8595	D87667	NUC
Sequence 8543	AP000090	NUC		Sequence 8596	D87742	NUC
Sequence 8544	AP000133	NUC		Sequence 8597	D88357	NUC
Sequence 8545	AP000509	NUC		Sequence 8598	D88460	NUC
Sequence 8546	AP000542	NUC		Sequence 8599	E02248	NUC
Sequence 8547	AP000554	NUC		Sequence 8600	E02339	NUC
Sequence 8548	D00017	NUC		Sequence 8601	E02516	NUC
Sequence 8549	D00632	NUC		Sequence 8602	E03414	NUC
Sequence 8550	D10704	NUC		Sequence 8603	E03415	NUC
Sequence 8551	D14665	NUC		Sequence 8604	E07218	NUC
Sequence 8552	D14813	NUC		Sequence 8605	E08663	NUC
Sequence 8553	D16111	NUC		Sequence 8606	E13124	NUC
Sequence 8554	D16469	NUC		Sequence 8607	E16311	NUC
Sequence 8555	D21262	NUC		Sequence 8608	J00129	NUC
Sequence 8556	D28350	NUC		Sequence 8609	J00132	NUC
Sequence 8557	D28759	NUC		Sequence 8610	J02611	NUC
Sequence 8558	D29992	NUC		Sequence 8611	J02814	NUC
Sequence 8559	D31885	NUC		Sequence 8612	J02959	NUC
Sequence 8560	D31891	NUC		Sequence 8613	J03007	NUC
Sequence 8561	D38112	NUC		Sequence 8614	J03037	NUC
Sequence 8562	D38305	NUC		Sequence 8615	J03202	NUC
Sequence 8563	D38524	NUC		Sequence 8616	J04137	NUC
Sequence 8564	D38551	NUC		Sequence 8617	J04164	NUC
Sequence 8565	D42047	NUC		Sequence 8618	J04205	NUC
Sequence 8566	D42063	NUC		Sequence 8619	J04765	NUC
Sequence 8567	D43950	NUC		Sequence 8620	J04970	NUC
Sequence 8568	D44466	NUC		Sequence 8621	J04977	NUC
Sequence 8569	D45039	NUC		Sequence 8622	J05013	NUC
Sequence 8570	D45198	NUC		Sequence 8623	J05032	NUC

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Sequence 8624	J05428	NUC		Sequence 8677	M26152	NUC
Sequence 8625	K00422	NUC		Sequence 8678	M26481	NUC
Sequence 8626	K02569	NUC		Sequence 8679	M28099	NUC
Sequence 8627	L00635	NUC		Sequence 8680	M28638	NUC
Sequence 8628	L01042	NUC		Sequence 8681	M29877	NUC
Sequence 8629	L05095	NUC		Sequence 8682	M32306	NUC
Sequence 8630	L05425	NUC		Sequence 8683	M33011	NUC
Sequence 8631	L05921	NUC		Sequence 8684	M33197	NUC
Sequence 8632	L07540	NUC		Sequence 8685	M34088	NUC
Sequence 8633	L07633	NUC		Sequence 8686	M34455	NUC
Sequence 8634	L07782	NUC		Sequence 8687	M35718	NUC
Sequence 8635	L07935	NUC		Sequence 8688	M55210	NUC
Sequence 8636	L08048	NUC		Sequence 8689	M60484	NUC
Sequence 8637	L08246	NUC		Sequence 8690	M61853	NUC
Sequence 8638	L08599	NUC		Sequence 8691	M61906	NUC
Sequence 8639	L08650	NUC		Sequence 8692	M61916	NUC
Sequence 8640	L10373	NUC		Sequence 8693	M62633	NUC
Sequence 8641	L11066	NUC		Sequence 8694	M63438	NUC
Sequence 8642	L13278	NUC		Sequence 8695	M64174	NUC
Sequence 8643	L13848	NUC		Sequence 8696	M68840	NUC
Sequence 8644	L16876	NUC		Sequence 8697	M69040	NUC
Sequence 8645	L20826	NUC		Sequence 8698	M83248	NUC
Sequence 8646	L20941	NUC		Sequence 8699	M85168	NUC
Sequence 8647	L22524	NUC		Sequence 8700	M87284	NUC
Sequence 8648	L28010	NUC		Sequence 8701	M87503	NUC
Sequence 8649	L29074	NUC		Sequence 8702	M92357	NUC
Sequence 8650	L31521	NUC		Sequence 8703	M94556	NUC
Sequence 8651	L33930	NUC		Sequence 8704	M98252	NUC
Sequence 8652	L38426	NUC		Sequence 8705	S35960	NUC
Sequence 8653	L42110	NUC		Sequence 8706	S49975	NUC
Sequence 8654	L42379	NUC		Sequence 8707	S69002	NUC
Sequence 8655	L43821	NUC		Sequence 8708	S70290	NUC
Sequence 8656	L48722	NUC		Sequence 8709	S73591	NUC
Sequence 8657	L76703	NUC		Sequence 8710	S77464	NUC
Sequence 8658	M10119	NUC		Sequence 8711	S82081	NUC
Sequence 8659	M11146	NUC		Sequence 8712	U03688	NUC
Sequence 8660	M11867	NUC		Sequence 8713	U05237	NUC
Sequence 8661	M12759	NUC		Sequence 8714	U07802	NUC
Sequence 8662	M13536	NUC		Sequence 8715	U09284	NUC
Sequence 8663	M13699	NUC		Sequence 8716	U09414	NUC
Sequence 8664	M13953	NUC		Sequence 8717	U09564	NUC
Sequence 8665	M14328	NUC		Sequence 8718	U10687	NUC
Sequence 8666	M14505	NUC		Sequence 8719	U12788	NUC
Sequence 8667	M14660	NUC		Sequence 8720	U12789	NUC
Sequence 8668	M14777	NUC		Sequence 8721	U15009	NUC
Sequence 8669	M15800	NUC		Sequence 8722	U16798	NUC
Sequence 8670	M16660	NUC		Sequence 8723	U18121	NUC
Sequence 8671	M17885	NUC		Sequence 8724	U18270	NUC
Sequence 8672	M21624	NUC		Sequence 8725	U18914	NUC
Sequence 8673	M22382	NUC		Sequence 8726	U19769	NUC
Sequence 8674	M23068	NUC		Sequence 8727	U20758	NUC
Sequence 8675	M23254	NUC		Sequence 8728	U21936	NUC
Sequence 8676	M24906	NUC		Sequence 8729	U25847	NUC

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Sequence 8730	U26162	NUC		Sequence 8783	X69089	NUC
Sequence 8731	U27460	NUC		Sequence 8784	X69397	NUC
Sequence 8732	U28042	NUC		Sequence 8785	X74104	NUC
Sequence 8733	U28964	NUC		Sequence 8786	X76648	NUC
Sequence 8734	U30255	NUC		Sequence 8787	X78710	NUC
Sequence 8735	U37100	NUC		Sequence 8788	X80062	NUC
Sequence 8736	U38979	NUC		Sequence 8789	X81109	NUC
Sequence 8737	U40622	NUC		Sequence 8790	X83544	NUC
Sequence 8738	U41384	NUC		Sequence 8791	X83618	NUC
Sequence 8739	U41387	NUC		Sequence 8792	X87212	NUC
Sequence 8740	U42068	NUC		Sequence 8793	X91213	NUC
Sequence 8741	U47924	NUC		Sequence 8794	X91647	NUC
Sequence 8742	U50939	NUC		Sequence 8795	X92744	NUC
Sequence 8743	U54562	NUC		Sequence 8796	X94323	NUC
Sequence 8744	U60337	NUC		Sequence 8797	X94910	NUC
Sequence 6745	U60666	NUC		Sequence 8798	X95240	NUC
Sequence 8746	U63809	NUC		Sequence 8799	X98743	NUC
Sequence 8747	U64791	NUC		Sequence 8800	Y00281	NUC
Sequence 8748	U66036	NUC		Sequence 8801	Y00345	NUC
Sequence 8749	U66615	NUC		Sequence 8802	Y00711	NUC
Sequence 8750	U68566	NUC		Sequence 8803	Y00736	NUC
Sequence 8751	U69127	NUC		Sequence 8804	Y10319	NUC
Sequence 8752	U70063	NUC		Sequence 8805	Y11588	NUC
Sequence 8753	U72649	NUC		Sequence 8806	Y13247	NUC
Sequence 8754	U73945	NUC		Sequence 8807	Y18046	NUC
Sequence 8755	U77129	NUC		Sequence 8808	Z13009	NUC
Sequence 8756	U79258	NUC		Sequence 8809	Z49835	NUC
Sequence 8757	U79415	NUC		Sequence 8810	Z55195	NUC
Sequence 8758	U80460	NUC		Sequence 8811	Z75331	NUC
Sequence 8759	U82130	NUC		Sequence 8812	Z82195	NUC
Sequence 8760	U83584	NUC		Sequence 8813	Z83308	NUC
Sequence 8761	U90904	NUC		Sequence 8814	Z84466	NUC
Sequence 8762	U91322	NUC		Sequence 8815	Z85996	NUC
Sequence 8763	U95367	NUC		Sequence 8816	Z86062	NUC
Sequence 8764	X00737	NUC		Sequence 8817	Z93242	NUC
Sequence 8765	X02530	NUC		Sequence 8818	Z95125	NUC
Sequence 8766	X05857	NUC		Sequence 8819	Z96050	NUC
Sequence 8767	X07270	NUC		Sequence 8820	Z97056	NUC
Sequence 8768	X07466	NUC		Sequence 8821	Z97876	NUC
Sequence 8769	X13694	NUC		Sequence 8822	Z98049	NUC
Sequence 8770	X15187	NUC		Sequence 8823	Z98172	NUC
Sequence 8771	X15722	NUC		Sequence 8824	Z98750	NUC
Sequence 8772	X15822	NUC		Sequence 8825	Z98752	NUC
Sequence 8773	X16135	NUC		Sequence 8826	Z98755	NUC
Sequence 8774	X51445	NUC		Sequence 8827	Z99128	NUC
Sequence 8775	X51473	NUC		Sequence 8828	Z99714	NUC
Sequence 8776	X52851	NUC		Sequence 8829	AA007665	EST
Sequence 8777	X53586	NUC		Sequence 8830	AA009945	EST
Sequence 8778	X59131	NUC		Sequence 8831	AA010236	EST
Sequence 8779	X59543	NUC		Sequence 8832	AA010728	EST
Sequence 8780	X60489	NUC		Sequence 8833	AA011024	EST
Sequence 8781	X63432	NUC		Sequence 8834	AA011217	EST
Sequence 8782	X66785	NUC		Sequence 8835	AA011308	EST

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Sequence 8836	AA011380	EST	Sequence 8889	AA063590	EST
Sequence 8837	AA011425	EST	Sequence 8890	AA064826	EST
Sequence 8838	AA015723	EST	Sequence 8891	AA065338	EST
Sequence 8839	AA016203	EST	Sequence 8892	AA070073	EST
Sequence 8840	AA016250	EST	Sequence 8893	AA070250	EST
Sequence 8841	AA018559	EST	Sequence 8894	AA071462	EST
Sequence 8842	AA020878	EST	Sequence 8895	AA075190	EST
Sequence 8843	AA022969	EST	Sequence 8896	AA075423	EST
Sequence 8844	AA024769	EST	Sequence 8897	AA075632	EST
Sequence 8845	AA025218	EST	Sequence 8898	AA076160	EST
Sequence 8846	AA025657	EST	Sequence 8899	AA081571	EST
Sequence 8847	AA025694	EST	Sequence 8900	AA083714	EST
Sequence 8848	AA025924	EST	Sequence 8901	AA085882	EST
Sequence 8849	AA029044	EST	Sequence 8902	AA086423	EST
Sequence 8850	AA029521	EST	Sequence 8903	AA088563	EST
Sequence 8851	AA029868	EST	Sequence 8904	AA088850	EST
Sequence 8852	AA030054	EST	Sequence 8905	AA091229	EST
Sequence 8853	AA031816	EST	Sequence 8906	AA098939	EST
Sequence 8854	AA033718	EST	Sequence 8907	AA098985	EST
Sequence 8855	AA035090	EST	Sequence 8908	AA099718	EST
Sequence 8856	AA035518	EST	Sequence 8909	AA100351	EST
Sequence 8857	AA036702	EST	Sequence 8910	AA100531	EST
Sequence 8858	AA036920	EST	Sequence 8911	AA101270	EST
Sequence 8859	AA037143	EST	Sequence 8912	AA101296	EST
Sequence 8860	AA037213	EST	Sequence 8913	AA101789	EST
Sequence 8861	AA039604	EST	Sequence 8914	AA101936	EST
Sequence 8862	AA039814	EST	Sequence 8915	AA102835	EST
Sequence 8863	AA039967	EST	Sequence 8916	AA112166	EST
Sequence 8864	AA043049	EST	Sequence 8917	AA112643	EST
Sequence 8865	AA043514	EST	Sequence 8918	AA112761	EST
Sequence 8866	AA043842	EST	Sequence 8919	AA115296	EST
Sequence 8867	AA043905	EST	Sequence 8920	AA120788	EST
Sequence 8868	AA044209	EST	Sequence 8921	AA120820	EST
Sequence 8869	AA044586	EST	Sequence 8922	AA121582	EST
Sequence 8870	AA044691	EST	Sequence 8923	AA121650	EST
Sequence 8871	AA045877	EST	Sequence 8924	AA126375	EST
Sequence 8872	AA046846	EST	Sequence 8925	AA126493	EST
Sequence 8873	AA047052	EST	Sequence 8926	AA128305	EST
Sequence 8874	AA047117	EST	Sequence 8927	AA128387	EST
Sequence 8875	AA053075	EST	Sequence 8928	AA128515	EST
Sequence 8876	AA053656	EST	Sequence 8929	AA129313	EST
Sequence 8877	AA054010	EST	Sequence 8930	AA129655	EST
Sequence 8878	AA054150	EST	Sequence 8931	AA130169	EST
Sequence 8879	AA054463	EST	Sequence 8932	AA130388	EST
Sequence 8880	AA055558	EST	Sequence 8933	AA130756	EST
Sequence 8881	AA055858	EST	Sequence 8934	AA130783	EST
Sequence 8882	AA056060	EST	Sequence 8935	AA130926	EST
Sequence 8883	AA056345	EST	Sequence 8936	AA133351	EST
Sequence 8884	AA056382	EST	Sequence 8937	AA133363	EST
Sequence 8885	AA056434	EST	Sequence 8938	AA133527	EST
Sequence 8886	AA057101	EST	Sequence 8939	AA135254	EST
Sequence 8887	AA057154	EST	Sequence 8940	AA135587	EST
Sequence 8888	AA058553	EST	Sequence 8941	AA136033	EST

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Sequence 8942	AA136079	EST	Sequence 8995	AA186586	EST
Sequence 8943	AA136491	EST	Sequence 8996	AA188235	EST
Sequence 8944	AA143022	EST	Sequence 8997	AA188918	EST
Sequence 8945	AA143417	EST	Sequence 8998	AA191186	EST
Sequence 8946	AA147569	EST	Sequence 8999	AA191292	EST
Sequence 8947	AA147766	EST	Sequence 9000	AA192483	EST
Sequence 8948	AA148013	EST	Sequence 9001	AA192604	EST
Sequence 8949	AA148083	EST	Sequence 9002	AA192748	EST
Sequence 8950	AA148213	EST	Sequence 9003	AA193101	EST
Sequence 8951	AA148583	EST	Sequence 9004	AA195029	EST
Sequence 8952	AA150067	EST	Sequence 9005	AA195128	EST
Sequence 8953	AA150381	EST	Sequence 9006	AA195158	EST
Sequence 8954	AA150780	EST	Sequence 9007	AA196357	EST
Sequence 8955	AA150899	EST	Sequence 9008	AA196473	EST
Sequence 8956	AA151775	EST	Sequence 9009	AA197064	EST
Sequence 8957	AA152386	EST	Sequence 9010	AA199677	EST
Sequence 8958	AA152418	EST	Sequence 9011	AA203523	EST
Sequence 8959	AA155762	EST	Sequence 9012	AA203695	EST
Sequence 8960	AA155862	EST	Sequence 9013	AA204668	EST
Sequence 8961	AA155944	EST	Sequence 9014	AA204781	EST
Sequence 8962	AA156847	EST	Sequence 9015	AA205444	EST
Sequence 8963	AA157042	EST	Sequence 9016	AA205859	EST
Sequence 8964	AA159272	EST	Sequence 9017	AA206519	EST
Sequence 8965	AA159792	EST	Sequence 9018	AA206823	EST
Sequence 8966	AA160149	EST	Sequence 9019	AA207081	EST
Sequence 8967	AA161288	EST	Sequence 9020	AA209515	EST
Sequence 8968	AA161502	EST	Sequence 9021	AA210891	EST
Sequence 8969	AA161518	EST	Sequence 9022	AA214701	EST
Sequence 8970	AA164729	EST	Sequence 9023	AA215383	EST
Sequence 8971	AA164745	EST	Sequence 9024	AA215703	EST
Sequence 8972	AA164850	EST	Sequence 9025	AA219354	EST
Sequence 8973	AA165093	EST	Sequence 9026	AA223895	EST
Sequence 8974	AA165306	EST	Sequence 9027	AA223956	EST
Sequence 8975	AA165307	EST	Sequence 9028	AA224767	EST
Sequence 8976	AA165482	EST	Sequence 9029	AA226036	EST
Sequence 8977	AA165601	EST	Sequence 9030	AA226116	EST
Sequence 8978	AA165632	EST	Sequence 9031	AA227205	EST
Sequence 8979	AA166618	EST	Sequence 9032	AA228366	EST
Sequence 8980	AA166730	EST	Sequence 9033	AA232172	EST
Sequence 8981	AA166853	EST	Sequence 9034	AA232574	EST
Sequence 8982	AA167821	EST	Sequence 9035	AA232626	EST
Sequence 8983	AA169395	EST	Sequence 9036	AA232636	EST
Sequence 8984	AA171809	EST	Sequence 9037	AA232993	EST
Sequence 8985	AA171885	EST	Sequence 9038	AA233102	EST
Sequence 8986	AA172073	EST	Sequence 9039	AA234464	EST
Sequence 8987	AA173819	EST	Sequence 9040	AA236795	EST
Sequence 8988	AA174146	EST	Sequence 9041	AA242891	EST
Sequence 8989	AA176198	EST	Sequence 9042	AA243837	EST
Sequence 8990	AA176274	EST	Sequence 9043	AA247478	EST
Sequence 8991	AA179888	EST	Sequence 9044	AA249644	EST
Sequence 8992	AA180435	EST	Sequence 9045	AA251874	EST
Sequence 8993	AA186538	EST	Sequence 9046	AA251875	EST
Sequence 8994	AA186570	EST	Sequence 9047	AA252035	EST

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Sequence 9048	AA253082	EST	Sequence 9101	AA332040	EST
Sequence 9049	AA253333	EST	Sequence 9102	AA336411	EST
Sequence 9050	AA258503	EST	Sequence 9103	AA338097	EST
Sequence 9051	AA278439	EST	Sequence 9104	AA338159	EST
Sequence 9052	AA281638	EST	Sequence 9105	AA339481	EST
Sequence 9053	AA282799	EST	Sequence 9106	AA341079	EST
Sequence 9054	AA282894	EST	Sequence 9107	AA342969	EST
Sequence 9055	AA282915	EST	Sequence 9108	AA343753	EST
Sequence 9056	AA287092	EST	Sequence 9109	AA346866	EST
Sequence 9057	AA287219	EST	Sequence 9110	AA355350	EST
Sequence 9058	AA287518	EST	Sequence 9111	AA357290	EST
Sequence 9059	AA291321	EST	Sequence 9112	AA357304	EST
Sequence 9060	AA291690	EST	Sequence 9113	AA358887	EST
Sequence 9061	AA292866	EST	Sequence 9114	AA366406	EST
Sequence 9062	AA293047	EST	Sequence 9115	AA366979	EST
Sequence 9063	AA293273	EST	Sequence 9116	AA367100	EST
Sequence 9064	AA293641	EST	Sequence 9117	AA370507	EST
Sequence 9065	AA293751	EST	Sequence 9118	AA371930	EST
Sequence 9066	AA295065	EST	Sequence 9119	AA373082	EST
Sequence 9067	AA295400	EST	Sequence 9120	AA382525	EST
Sequence 9068	AA297402	EST	Sequence 9121	AA393855	EST
Sequence 9069	AA299640	EST	Sequence 9122	AA397777	EST
Sequence 9070	AA299784	EST	Sequence 9123	AA398560	EST
Sequence 9071	AA300290	EST	Sequence 9124	AA398763	EST
Sequence 9072	AA301910	EST	Sequence 9125	AA399001	EST
Sequence 9073	AA303974	EST	Sequence 9126	AA401015	EST
Sequence 9074	AA304743	EST	Sequence 9127	AA401058	EST
Sequence 9075	AA304979	EST	Sequence 9128	AA403065	EST
Sequence 9076	AA305057	EST	Sequence 9129	AA404225	EST
Sequence 9077	AA305112	EST	Sequence 9130	AA404463	EST
Sequence 9078	AA305286	EST	Sequence 9131	AA404540	EST
Sequence 9079	AA305438	EST	Sequence 9132	AA404613	EST
Sequence 9080	AA306006	EST	Sequence 9133	AA404694	EST
Sequence 9081	AA306982	EST	Sequence 9134	AA405408	EST
Sequence 9082	AA307697	EST	Sequence 9135	AA405810	EST
Sequence 9083	AA308062	EST	Sequence 9136	AA406450	EST
Sequence 9084	AA308069	EST	Sequence 9137	AA406505	EST
Sequence 9085	AA309705	EST	Sequence 9138	AA410888	EST
Sequence 9086	AA309988	EST	Sequence 9139	AA411381	EST
Sequence 9087	AA310201	EST	Sequence 9140	AA411479	EST
Sequence 9088	AA310546	EST	Sequence 9141	AA411564	EST
Sequence 9089	AA310641	EST	Sequence 9142	AA411599	EST
Sequence 9090	AA312240	EST	Sequence 9143	AA411706	EST
Sequence 9091	AA312407	EST	Sequence 9144	AA417181	EST
Sequence 9092	AA312842	EST	Sequence 9145	AA418318	EST
Sequence 9093	AA313676	EST	Sequence 9146	AA421250	EST
Sequence 9094	AA313808	EST	Sequence 9147	AA421827	EST
Sequence 9095	AA314952	EST	Sequence 9148	AA423919	EST
Sequence 9096	AA315722	EST	Sequence 9149	AA424328	EST
Sequence 9097	AA316071	EST	Sequence 9150	AA425342	EST
Sequence 9098	AA316932	EST	Sequence 9151	AA425407	EST
Sequence 9099	AA317144	EST	Sequence 9152	AA427616	EST
Sequence 9100	AA328497	EST	Sequence 9153	AA428143	EST

TABLE 6

Sequence 9154	AA429301	EST		Sequence 9207	AA484756	EST
Sequence 9155	AA430088	EST		Sequence 9208	AA485460	EST
Sequence 9156	AA433899	EST		Sequence 9209	AA486673	EST
Sequence 9157	AA433968	EST		Sequence 9210	AA489032	EST
Sequence 9158	AA434243	EST		Sequence 9211	AA489969	EST
Sequence 9159	AA434326	EST		Sequence 9212	AA491965	EST
Sequence 9160	AA434455	EST		Sequence 9213	AA493120	EST
Sequence 9161	AA434547	EST		Sequence 9214	AA493299	EST
Sequence 9162	AA436008	EST		Sequence 9215	AA494445	EST
Sequence 9163	AA441786	EST		Sequence 9216	AA495745	EST
Sequence 9164	AA442415	EST		Sequence 9217	AA495811	EST
Sequence 9165	AA442786	EST		Sequence 9218	AA496148	EST
Sequence 9166	AA443199	EST		Sequence 9219	AA496327	EST
Sequence 9167	AA445981	EST		Sequence 9220	AA496994	EST
Sequence 9168	AA446421	EST		Sequence 9221	AA502527	EST
Sequence 9169	AA446458	EST		Sequence 9222	AA503020	EST
Sequence 9170	AA447349	EST		Sequence 9223	AA503215	EST
Sequence 9171	AA448256	EST		Sequence 9224	AA503386	EST·
Sequence 9172	AA448535	EST		Sequence 9225	AA504114	EST
Sequence 9173	AA448978	EST		Sequence 9226	AA504858	EST
Sequence 9174	AA449652	EST		Sequence 9227	AA504891	EST
Sequence 9175	AA449656	EST		Sequence 9228	AA506536	EST
Sequence 9176	AA450188	EST		Sequence 9229	AA508022	EST
Sequence 9177	AA451967	EST		Sequence 9230	AA514757	EST
Sequence 9178	AA452193	EST		Sequence 9231	AA515109	EST
Sequence 9179	AA452225	EST		Sequence 9232	AA522850	EST
Sequence 9180	AA453823	EST		Sequence 9233	AA522856	EST
Sequence 9181	AA454038	EST		Sequence 9234	AA523498	EST
Sequence 9182	AA454909	EST		Sequence 9235	AA523697	EST
Sequence 9183	AA455005	EST		Sequence 9236	AA523877	EST
Sequence 9184	AA458761	EST		Sequence 9237	AA524023	EST
Sequence 9185	AA459238	EST		Sequence 9238	AA524263	EST
Sequence 9186	AA459425	EST		Sequence 9239	AA525849	EST
Sequence 9187	AA459479	EST		Sequence 9240	AA527139	EST
Sequence 9188	AA459527	EST		Sequence 9241	AA527187	EST
Sequence 9189	AA468308	EST		Sequence 9242	AA533251	EST
Sequence 9190	AA468561	EST		Sequence 9243	AA534399	EST
Sequence 9191	AA468874	EST		Sequence 9244	AA534549	EST
Sequence 9192	AA470067	EST		Sequence 9245	AA534811	EST
Sequence 9193	AA470373	EST		Sequence 9246	AA535076	EST
Sequence 9194	AA470523	EST		Sequence 9247	AA545726	EST
Sequence 9195	AA471019	EST		Sequence 9248	AA545816	EST
Sequence 9196	AA477144	EST		Sequence 9249	AA548114	EST
Sequence 9197	AA478637	EST		Sequence 9250	AA551773	EST
Sequence 9198	AA479146	EST		Sequence 9251	AA552037	EST
Sequence 9199	AA479168	EST		Sequence 9252	AA552635	EST
Sequence 9200	AA481231	EST		Sequence 9253	AA553367	EST
Sequence 9201	AA481238	EST		Sequence 9254	AA553746	EST
Sequence 9202	AA481794	EST		Sequence 9255	AA555076	EST
Sequence 9203	AA482911	EST		Sequence 9256	AA555310	EST
Sequence 9204	AA482993	EST		Sequence 9257	AA559136	EST
Sequence 9205	AA483675	EST		Sequence 9258	AA564097	EST
Sequence 9206	AA483903	EST		Sequence 9259	AA564552	EST

TABLE 6

Sequence 9260	AA564843	EST	Sequence 9313	AA643133	EST
Sequence 9261	AA565334	EST	Sequence 9314	AA643361	EST
Sequence 9262	AA568657	EST	Sequence 9315	AA643720	EST
Sequence 9263	AA569555	EST	Sequence 9316	AA648757	EST
Sequence 9264	AA569764	EST	Sequence 9317	AA654289	EST
Sequence 9265	AA570717	EST	Sequence 9318	AA657463	EST
Sequence 9266	AA573761	EST	Sequence 9319	AA663243	EST
Sequence 9267	AA573778	EST	Sequence 9320	AA663700	EST
Sequence 9268	AA574223	EST	Sequence 9321	AA665210	EST
Sequence 9269	AA574237	EST	Sequence 9322	AA665983	EST
Sequence 9270	AA576425	EST	Sequence 9323	AA668889	EST
Sequence 9271	AA576807	EST	Sequence 9324	AA669462	EST
Sequence 9272	AA577525	EST	Sequence 9325	AA669731	EST
Sequence 9273	AA577616	EST	Sequence 9326	AA677977	EST
Sequence 9274	AA577685	EST	Sequence 9327	AA682940	EST
Sequence 9275	AA577927	EST	Sequence 9328	AA683543	EST
Sequence 9276	AA579620	EST	Sequence 9329	AA694160	EST
Sequence 9277	AA579816	EST	Sequence 9330	AA694227	EST
Sequence 9278	AA582596	EST	Sequence 9331	AA700208	EST
Sequence 9279	AA583341	EST	Sequence 9332	AA700741	EST
Sequence 9280	AA584921	EST	Sequence 9333	AA702893	EST
Sequence 9281	AA587630	EST	Sequence 9334	AA705032	EST
Sequence 9282	AA588002	EST	Sequence 9335	AA706803	EST
Sequence 9283	AA592917	EST	Sequence 9336	AA707711	EST
Sequence 9284	AA594479	EST	Sequence 9337	AA714033	EST
Sequence 9285	AA594604	EST	Sequence 9338	AA714782	EST
Sequence 9286	AA599039	EST	Sequence 9339	AA721354	EST
Sequence 9287	AA599492	EST	Sequence 9340	AA721972	EST
Sequence 9288	AA601029	EST	Sequence 9341	AA722816	EST
Sequence 9289	AA603494	EST	Sequence 9342	AA723038	EST
Sequence 9290	AA604610	EST	Sequence 9343	AA724085	EST
Sequence 9291	AA604822	EST	Sequence 9344	AA724987	EST
Sequence 9292	AA610377	EST	Sequence 9345	AA729544	EST
Sequence 9293	AA610476	EST	Sequence 9346	AA730055	EST
Sequence 9294	AA612781	EST	Sequence 9347	AA733116	EST
Sequence 9295	AA614631	EST	Sequence 9348	AA740967	EST
Sequence 9296	AA622198	EST	Sequence 9349	AA744482	EST
Sequence 9297	AA625285	EST	Sequence 9350	AA745779	EST
Sequence 9298	AA626098	EST	Sequence 9351	AA746484	EST
Sequence 9299	AA626721	EST	Sequence 9352	AA748064	EST
Sequence 9300	AA626793	EST	Sequence 9353	AA749133	EST
Sequence 9301	AA628164	EST	Sequence 9354	AA757907	EST
Sequence 9302	AA631211	EST	Sequence 9355	AA758321	EST
Sequence 9303	AA631460	EST	Sequence 9356	AA758574	EST
Sequence 9304	AA632025	EST	Sequence 9357	AA761181	EST
Sequence 9305	AA632557	EST	Sequence 9358	AA761827	EST
Sequence 9306	AA634799	EST	Sequence 9359	AA769127	EST
Sequence 9307	AA639791	EST	Sequence 9360	AA769310	EST
Sequence 9308	AA640129	EST	Sequence 9361	AA769414	EST
Sequence 9309	AA640321	EST	Sequence 9362	AA769673	EST
Sequence 9310	AA640505	EST	Sequence 9363	AA770637	EST
Sequence 9311	AA640931	EST	Sequence 9364	AA772830	EST
Sequence 9312	AA642033	EST	Sequence 9365	AA774534	EST

TABLE 6

Sequence 9366	AA775616	EST	Sequence 9419	AA886283	EST
Sequence 9367	AA777969	EST	Sequence 9420	AA886417	EST
Sequence 9368	AA779747	EST	Sequence 9421	AA905491	EST
Sequence 9369	AA779949	EST	Sequence 9422	AA906033	EST
Sequence 9370	AA781635	EST	Sequence 9423	AA906865	EST
Sequence 9371	AA781851	EST	Sequence 9424	AA911981	EST
Sequence 9372	AA806277	EST	Sequence 9425	AA927681	EST
Sequence 9373	AA808234	EST	Sequence 9426	AA933573	EST
Sequence 9374	AA808668	EST	Sequence 9427	AA933777	EST
Sequence 9375	AA809129	EST	Sequence 9428	AA935181	EST
Sequence 9376	AA811413	EST	Sequence 9429	AA935904	EST
Sequence 9377	AA813004	EST	Sequence 9430	AA938756	EST
Sequence 9378	AA814334	EST	Sequence 9431	AA946653	EST
Sequence 9379	AA824313	EST	Sequence 9432	AA953114	EST
Sequence 9380	AA826307	EST	Sequence 9433	AA960755	EST
Sequence 9381	AA827331	EST	Sequence 9434	AA961042	EST
Sequence 9382	AA828577	EST	Sequence 9435	AA968537	EST
Sequence 9383	AA831312	EST	Sequence 9436	AA970201	EST
Sequence 9384	AA833900	EST	Sequence 9437	AA970749	EST
Sequence 9385	AA834988	EST	Sequence 9438	AA974049	EST
Sequence 9386	AA837674	EST	Sequence 9439	AA975791	EST
Sequence 9387	AA838747	EST	Sequence 9440	AA976644	EST
Sequence 9388	AA843472	EST	Sequence 9441	AA977019	EST
Sequence 9389	AA843515	EST	Sequence 9442	AA991239	EST
Sequence 9390	AA843597	EST	Sequence 9443	AA991285	EST
Sequence 9391	AA843720	EST	Sequence 9444	AA991353	EST
Sequence 9392	AA845433	EST	Sequence 9445	AA993569	EST
Sequence 9393	AA846512	EST	Sequence 9446	AA993867	EST
Sequence 9394	AA846884	EST	Sequence 9447	AA994857	EST
Sequence 9395	AA846899	EST	Sequence 9448	AA994966	EST
Sequence 9396	AA853631	EST	Sequence 9449	AF001541	EST
Sequence 9397	AA854309	EST	Sequence 9450	AF001542	EST
Sequence 9398	AA857809	EST	Sequence 9451	AF017688	EST
Sequence 9399	AA858396	EST	Sequence 9452	AF063500	EST
Sequence 9400	AA861413	EST	Sequence 9453	AF063558	EST
Sequence 9401	AA863095	EST	Sequence 9454	AF150217	EST
Sequence 9402	AA863125	EST	Sequence 9455	AF156968	EST
Sequence 9403	AA863145	EST	Sequence 9456	AI002094	EST
Sequence 9404	AA864896	EST	Sequence 9457	AI003516	EST
Sequence 9405	AA865338	EST	Sequence 9458	AI017004	EST
Sequence 9406	AA868286	EST	Sequence 9459	AI017255	EST
Sequence 9407	AA872185	EST	Sequence 9460	AI018488	EST
Sequence 9408	AA872345	EST	Sequence 9461	AI018671	EST
Sequence 9409	AA872608	EST	Sequence 9462	AI022800	EST
Sequence 9410	AA873815	EST	Sequence 9463	AI023964	EST
Sequence 9411	AA875835	EST	Sequence 9464	AI025184	EST
Sequence 9412	AA875839	EST	Sequence 9465	AI027516	EST
Sequence 9413	AA875996	EST	Sequence 9466	AI027887	EST
Sequence 9414	AA876668	EST	Sequence 9467	AI038602	EST
Sequence 9415	AA877789	EST	Sequence 9468	AI038681	EST
Sequence 9416	AA878580	EST	Sequence 9469	AI041116	EST
Sequence 9417	AA884751	EST	Sequence 9470	AI042097	EST
Sequence 9418	AA884922	EST	Sequence 9471	AI042523	EST

TABLE 6

Sequence 9472	AI046024	EST	Sequence 9525	AI167378	EST
Sequence 9473	AI052686	EST	Sequence 9526	AI174840	EST
Sequence 9474	AI056295	EST	Sequence 9527	AI186203	EST
Sequence 9475	AI057529	EST	Sequence 9528	AI186216	EST
Sequence 9476	AI064846	EST	Sequence 9529	AI188112	EST
Sequence 9477	AI064914	EST	Sequence 9530	AI188641	EST
Sequence 9478	AI066554	EST	Sequence 9531	AI189067	EST
Sequence 9479	AI074623	EST	Sequence 9532	AI191930	EST
Sequence 9480	AI075074	EST	Sequence 9533	AI193151	EST
Sequence 9481	AI075652	EST	Sequence 9534	AI199626	EST
Sequence 9482	AI075757	EST	Sequence 9535	AI200836	EST
Sequence 9483	AI076953	EST	Sequence 9536	AI201573	EST
Sequence 9484	AI078789	EST	Sequence 9537	AI207618	EST
Sequence 9485	AI079693	EST	Sequence 9538	AI207650	EST
Sequence 9486	AI080199	EST	Sequence 9539	AI207850	EST
Sequence 9487	AI080290	EST	Sequence 9540	AI216968	EST
Sequence 9488	AI081585	EST	Sequence 9541	AI216969	EST
Sequence 9489	AI082497	EST	Sequence 9542	AI216972	EST
Sequence 9490	AI085535	EST	Sequence 9543	AI216986	EST
Sequence 9491	AI086391	EST	Sequence 9544	AI216988	EST
Sequence 9492	AI086524	EST	Sequence 9545	AI217003	EST
Sequence 9493	AI088754	EST	Sequence 9546	AI223309	EST
Sequence 9494	AI089220	EST	Sequence 9547	AI224982	EST
Sequence 9495	AI089651	EST	Sequence 9548	AI239955	EST
Sequence 9496	AI091716	EST	Sequence 9549	AI250069	EST
Sequence 9497	AI093177	EST	Sequence 9550	AI253292	EST
Sequence 9498	AI095558	EST	Sequence 9551	AI253330	EST
Sequence 9499	AI097105	EST	Sequence 9552	AI253335	EST
Sequence 9500	AI114562	EST	Sequence 9553	AI253379	EST
Sequence 9501	AI123875	EST	Sequence 9554	AI253436	EST
Sequence 9502	AI124766	EST	Sequence 9555	AI253439	EST
Sequence 9503	AI126005	EST	Sequence 9556	AI261875	EST
Sequence 9504	AI127179	EST	Sequence 9557	AI262931	EST
Sequence 9505	AI132918	EST	Sequence 9558	AI264144	EST
Sequence 9506	AI133084	EST	Sequence 9559	AI267162	EST
Sequence 9507	AI133208	EST	Sequence 9560	AI267185	EST
Sequence 9508	AI133243	EST	Sequence 9561	AI267216	EST
Sequence 9509	AI133342	EST	Sequence 9562	AI267254	EST
Sequence 9510	AI133553	EST	Sequence 9563	AI267255	EST
Sequence 9511	AI133690	EST	Sequence 9564	AI267282	EST
Sequence 9512	AI139360	EST	Sequence 9565	AI267285	EST
Sequence 9513	AI140904	EST	Sequence 9566	AI267307	EST
Sequence 9514	AI141809	EST	Sequence 9567	AI267425	EST
Sequence 9515	AI141847	EST	Sequence 9568	AI267428	EST
Sequence 9516	AI143587	EST	Sequence 9569	AI267454	EST
Sequence 9517	AI146368	EST	Sequence 9570	AI267492	EST
Sequence 9518	AI146679	EST	Sequence 9571	AI267502	EST
Sequence 9519	AI146863	EST	Sequence 9572	AI267574	EST
Sequence 9520	AI147046	EST	Sequence 9573	AI267612	EST
Sequence 9521	AI149242	EST	Sequence 9574	AI267634	EST
Sequence 9522	AI149345	EST	Sequence 9575	AI267665	EST
Sequence 9523	AI160930	EST	Sequence 9576	AI267667	EST
Sequence 9524	AI161215	EST	Sequence 9577	AI267691	EST

TABLE 6

Sequence 9578	AI267708	EST	Sequence 9631	AI433976	EST
Sequence 9579	AI267807	EST	Sequence 9632	AI435454	EST
Sequence 9580	AI267838	EST	Sequence 9633	AI436456	EST
Sequence 9581	AI267845	EST	Sequence 9634	AI439482	EST
Sequence 9582	AI269205	EST	Sequence 9635	AI439762	EST
Sequence 9583	AI271348	EST	Sequence 9636	AI446723	EST
Sequence 9584	AI272927	EST	Sequence 9637	AI457633	EST
Sequence 9585	AI274791	EST	Sequence 9638	AI458457	EST
Sequence 9586	AI275815	EST	Sequence 9639	AI474960	EST
Sequence 9587	AI281878	EST	Sequence 9640	AI478115	EST
Sequence 9588	AI282627	EST	Sequence 9641	AI492358	EST
Sequence 9589	AI283257	EST	Sequence 9642	AI492483	EST
Sequence 9590	AI288268	EST	Sequence 9643	AI493422	EST
Sequence 9591	AI288807	EST	Sequence 9644	AI493590	EST
Sequence 9592	AI291508	EST	Sequence 9645	AI499508	EST
Sequence 9593	AI298496	EST	Sequence 9646	AI523107	EST
Sequence 9594	AI301084	EST	Sequence 9647	AI525413	EST
Sequence 9595	AI301132	EST	Sequence 9648	AI538287	EST
Sequence 9596	AI307210	EST	Sequence 9649	AI547264	EST
Sequence 9597	AI307373	EST	Sequence 9650	AI554809	EST
Sequence 9598	AI308119	EST	Sequence 9651	AI559700	EST
Sequence 9599	AI308870	EST	Sequence 9652	AI564249	EST
Sequence 9600	AI332298	EST	Sequence 9653	AI564269	EST
Sequence 9601	AI339783	EST	Sequence 9654	AI564540	EST
Sequence 9602	AI340056	EST	Sequence 9655	AI565023	EST
Sequence 9603	AI346128	EST	Sequence 9656	AI566037	EST
Sequence 9604	AI348010	EST	Sequence 9657	AI570119	EST
Sequence 9605	AI350608	EST	Sequence 9658	AI580216	EST
Sequence 9606	AI354242	EST	Sequence 9659	AI583559	EST
Sequence 9607	AI354488	EST	Sequence 9660	AI587638	EST
Sequence 9608	AI361349	EST	Sequence 9661	AI609592	EST
Sequence 9609	AI362795	EST	Sequence 9662	AI609617	EST
Sequence 9610	AI366381	EST	Sequence 9663	AI610402	EST
Sequence 9611	AI366466	EST	Sequence 9664	AI621084	EST
Sequence 9612	AI366549	EST	Sequence 9665	AI621092	EST
Sequence 9613	AI367070	EST	Sequence 9666	AI621209	EST
Sequence 9614	AI375141	EST	Sequence 9667	AI623771	EST
Sequence 9615	AI375193	EST	Sequence 9668	AI623991	EST
Sequence 9616	AI375890	EST	Sequence 9669	AI624256	EST
Sequence 9617	AI377329	EST	Sequence 9670	AI624270	EST
Sequence 9618	AI377444	EST	Sequence 9671	AI624672	EST
Sequence 9619	AI378932	EST	Sequence 9672	AI625353	EST
Sequence 9620	AI379136	EST	Sequence 9673	AI625626	EST
Sequence 9621	AI380726	EST	Sequence 9674	AI627855	EST
Sequence 9622	AI384110	EST	Sequence 9675	AI628759	EST
Sequence 9623	AI418244	EST	Sequence 9676	AI630369	EST
Sequence 9624	AI418931	EST	Sequence 9677	AI630842	EST
Sequence 9625	AI418975	EST	Sequence 9678	AI632223	EST
Sequence 9626	AI422574	EST	Sequence 9679	AI632608	EST
Sequence 9627	AI424948	EST	Sequence 9680	AI632972	EST
Sequence 9628	AI433157	EST	Sequence 9681	AI633006	EST
Sequence 9629	AI433393	EST	Sequence 9682	AI633384	EST
Sequence 9630	AI433506	EST	Sequence 9683	AI633734	EST

TABLE 6

Sequence 9684	AI634809	EST	Sequence 9737	AI801940	EST
Sequence 9685	AI635096	EST	Sequence 9738	AI803921	EST
Sequence 9686	AI635128	EST	Sequence 9739	AI804321	EST
Sequence 9687	AI635650	EST	Sequence 9740	AI804342	EST
Sequence 9688	AI635931	EST	Sequence 9741	AI805352	EST
Sequence 9689	AI636352	EST	Sequence 9742	AI806789	EST
Sequence 9690	AI637583	EST	Sequence 9743	AI809922	EST
Sequence 9691	AI637584	EST	Sequence 9744	AI810071	EST
Sequence 9692	AI638118	EST	Sequence 9745	AI811303	EST
Sequence 9693	AI638559	EST	Sequence 9746	AI811870	EST
Sequence 9694	AI640519	EST	Sequence 9747	AI813811	EST
Sequence 9695	AI650409	EST	Sequence 9748	AI814513	EST
Sequence 9696	AI651270	EST	Sequence 9749	AI814564	EST
Sequence 9697	AI651361	EST	Sequence 9750	AI814667	EST
Sequence 9698	AI671174	EST	Sequence 9751	AI815057	EST
Sequence 9699	AI671204	EST	Sequence 9752	AI815126	EST
Sequence 9700	AI672205	EST	Sequence 9753	AI815661	EST
Sequence 9701	AI673742	EST	Sequence 9754	AI816194	EST
Sequence 9702	AI680242	EST	Sequence 9755	AI818519	EST
Sequence 9703	AI683011	EST	Sequence 9756	AI819021	EST
Sequence 9704	AI683094	EST	Sequence 9757	AI819225	EST
Sequence 9705	AI683431	EST	Sequence 9758	AI828903	EST
Sequence 9706	AI684967	EST	Sequence 9759	AI858347	EST
Sequence 9707	AI686571	EST	Sequence 9760	AI859399	EST
Sequence 9708	AI686907	EST	Sequence 9761	AI859458	EST
Sequence 9709	AI687511	EST	Sequence 9762	AI860319	EST
Sequence 9710	AI690207	EST	Sequence 9763	AI860650	EST
Sequence 9711	AI690278	EST	Sequence 9764	AI860750	EST
Sequence 9712	AI693870	EST	Sequence 9765	AI861856	EST
Sequence 9713	AI694572	EST	Sequence 9766	AI863224	EST
Sequence 9714	AI697137	EST	Sequence 9767	AI863421	EST
Sequence 9715	AI702028	EST	Sequence 9768	AI870547	EST
Sequence 9716	AI732155	EST	Sequence 9769	AI889588	EST
Sequence 9717	AI732472	EST	Sequence 9770	AI904067	EST
Sequence 9718	AI732557	EST	Sequence 9771	AI905441	EST
Sequence 9719	AI733771	EST	Sequence 9772	AI913208	EST
Sequence 9720	AI740458	EST	Sequence 9773	AI915606	EST
Sequence 9721	AI740811	EST	Sequence 9774	AI916584	EST
Sequence 9722	AI741313	EST	Sequence 9775	AI917911	EST
Sequence 9723	AI741778	EST	Sequence 9776	AI922121	EST
Sequence 9724	AI743010	EST	Sequence 9777	AI922198	EST
Sequence 9725	AI743370	EST	Sequence 9778	AI924059	EST
Sequence 9726	AI744436	EST	Sequence 9779	AI924096	EST
Sequence 9727	AI745445	EST	Sequence 9780	AI925454	EST
Sequence 9728	AI750685	EST	Sequence 9781	AI927301	EST
Sequence 9729	AI752936	EST	Sequence 9782	AI927945	EST
Sequence 9730	AI753226	EST	Sequence 9783	AI929819	EST
Sequence 9731	AI755002	EST	Sequence 9784	AI933021	EST
Sequence 9732	AI765941	EST	Sequence 9785	AI954311	EST
Sequence 9733	AI769970	EST	Sequence 9786	AI961499	EST
Sequence 9734	AI770150	EST	Sequence 9787	AI961530	EST
Sequence 9735	AI796142	EST	Sequence 9788	AI963654	EST
Sequence 9736	AI796171	EST	Sequence 9789	AI968269	EST

TABLE 6

Sequence 9790	AI969664	EST		Sequence 9843	AW190780	EST
Sequence 9791	AI971577	EST		Sequence 9844	AW193510	EST
Sequence 9792	AI982898	EST		Sequence 9845	AW206254	EST
Sequence 9793	AI983220	EST		Sequence 9846	AW238730	EST
Sequence 9794	AI984229	EST		Sequence 9847	AW239234	EST
Sequence 9795	AI990456	EST		Sequence 9848	AW242680	EST
Sequence 9796	AL035731	EST		Sequence 9849	AW262099	EST
Sequence 9797	AL036335	EST		Sequence 9850	AW269911	EST
Sequence 9798	AL036627	EST		Sequence 9851	AW271738	EST
Sequence 9799	AL037509	EST		Sequence 9852	AW293443	EST
Sequence 9800	AL037535	EST		Sequence 9853	AW299555	EST
Sequence 9801	AL038078	EST		Sequence 9854	C74984	EST
Sequence 9802	AL042203	EST		Sequence 9855	D12309	EST
Sequence 9803	AL046668	EST		Sequence 9856	F12860	EST
Sequence 9804	AL046786	EST		Sequence 9857	F13297	EST
Sequence 9805	AL047838	EST		Sequence 9858	H09839	EST
Sequence 9806	AL048890	EST		Sequence 9859	H10098	EST
Sequence 9807	AL079635	EST		Sequence 9860	H13904	EST
Sequence 9808	AL121331	EST		Sequence 9861	H14517	EST
Sequence 9809	AL134390	EST		Sequence 9862	H17399	EST
Sequence 9810	AL134905	EST		Sequence 9863	H24117	EST
Sequence 9811	AL135027	EST		Sequence 9864	H29457	EST
Sequence 9812	AW008630	EST		Sequence 9865	H30353	EST
Sequence 9813	AW009039	EST		Sequence 9866	H48537	EST
Sequence 9814	AW019983	EST		Sequence 9867	H55836	EST
Sequence 9815	AW021230	EST		Sequence 9868	H56562	EST
Sequence 9816	AW021313	EST		Sequence 9869	H57064	EST
Sequence 9817	AW044646	EST		Sequence 9870	H60722	EST
Sequence 9818	AW051710	EST		Sequence 9871	H63067	EST
Sequence 9819	AW055126	EST		Sequence 9872	H66108	EST
Sequence 9820	AW058490	EST		Sequence 9873	H78517	EST
Sequence 9821	AW070199	EST		Sequence 9874	H86290	EST
Sequence 9822	AW070905	EST		Sequence 9875	H89788	EST
Sequence 9823	AW084804	EST		Sequence 9876	H94997	EST
Sequence 9824	AW088654	EST		Sequence 9877	N32181	EST
Sequence 9825	AW102607	EST		Sequence 9878	N32687	EST
Sequence 9826	AW104724	EST		Sequence 9879	N36809	EST
Sequence 9827	AW131476	EST		Sequence 9880	N39655	EST
Sequence 9828	AW137978	EST		Sequence 9881	N39800	EST
Sequence 9829	AW138324	EST		Sequence 9882	N40017	EST
Sequence 9830	AW152096	EST		Sequence 9883	N44315	EST
Sequence 9831	AW163200	EST		Sequence 9884	N44340	EST
Sequence 9832	AW166525	EST		Sequence 9885	N46886	EST
Sequence 9833	AW168960	EST		Sequence 9886	N51262	EST
Sequence 9834	AW170480	EST		Sequence 9887	N58344	EST
Sequence 9835	AW175703	EST		Sequence 9888	N66443	EST
Sequence 9836	AW176287	EST		Sequence 9889	N80300	EST
Sequence 9837	AW177034	EST		Sequence 9890	N95088	EST
Sequence 9838	AW177439	EST		Sequence 9891	R02435	EST
Sequence 9839	AW177993	EST		Sequence 9892	R12025	EST
Sequence 9840	AW178371	EST		Sequence 9893	R18699	EST
Sequence 9841	AW179160	EST		Sequence 9894	R51176	EST
Sequence 9842	AW189873	EST		Sequence 9895	R52729	EST

TABLE 6

Sequence 9896	R55887	EST		Sequence 9949	Z24812	NUCPATENT
Sequence 9897	R59004	EST		Sequence 9950	Z24868	NUCPATENT
Sequence 9898	R60249	EST		Sequence 9951	Z25346	NUCPATENT
Sequence 9899	R62760	EST		Sequence 9952	Z41231	NUCPATENT
Sequence 9900	R63752	EST		Sequence 9953	AC02059	PREPATNUC
Sequence 9901	R70814	EST		Sequence 9954	AC10438	PREPATNUC
Sequence 9902	R71881	EST		Sequence 9955	AC31452	PREPATNUC
Sequence 9903	R80103	EST		Sequence 9956	AC32759	PREPATNUC
Sequence 9904	R91050	EST		Sequence 9957	AC33481	PREPATNUC
Sequence 9905	R94807	EST		Sequence 9958	AC33518	PREPATNUC
Sequence 9906	T52869	EST		Sequence 9959	AC33797	PREPATNUC
Sequence 9907	T61421	EST		Sequence 9960	AC34190	PREPATNUC
Sequence 9908	T69670	EST		Sequence 9961	AC34331	PREPATNUC
Sequence 9909	T97643	EST		Sequence 9962	AC34441	PREPATNUC
Sequence 9910	W00547	EST		Sequence 9963	AC34797	PREPATNUC
Sequence 9911	W01837	EST		Sequence 9964	AC35182	PREPATNUC
Sequence 9912	W02910	EST		Sequence 9965	AC35777	PREPATNUC
Sequence 9913	W19229	EST		Sequence 9966	AC36063	PREPATNUC
Sequence 9914	W22150	EST		Sequence 9967	AC36081	PREPATNUC
Sequence 9915	W23168	EST		Sequence 9968	AC36097	PREPATNUC
Sequence 9916	W24682	EST		Sequence 9969	AC36099	PREPATNUC
Sequence 9917	W25854	EST		Sequence 9970	AC36107	PREPATNUC
Sequence 9918	W26309	EST		Sequence 9971	AC36124	PREPATNUC
Sequence 9919	W26373	EST		Sequence 9972	AC36180	PREPATNUC
Sequence 9920	W26688	EST		Sequence 9973	AC36206	PREPATNUC
Sequence 9921	W27126	EST		Sequence 9974	AC36219	PREPATNUC
Sequence 9922	W35258	EST		Sequence 9975	AC36383	PREPATNUC
Sequence 9923	W35301	EST		Sequence 9976	AC36731	PREPATNUC
Sequence 9924	W39381	EST		Sequence 9977	AC36796	PREPATNUC
Sequence 9925	W44418	EST		Sequence 9978	AC36822	PREPATNUC
Sequence 9926	W44686	EST		Sequence 9979	AC36930	PREPATNUC
Sequence 9927	W57944	EST		Sequence 9980	AC37080	PREPATNUC
Sequence 9928	W65413	EST		Sequence 9981	AC37086	PREPATNUC
Sequence 9929	W67396	EST		Sequence 9982	A14571	NUC
Sequence 9930	W74640	EST		Sequence 9983	A26609	NUC
Sequence 9931	W76099	EST		Sequence 9984	A39900	NUC
Sequence 9932	W81258	EST		Sequence 9985	A43165	NUC
Sequence 9933	W87891	EST		Sequence 9986	A43167	NUC
Sequence 9934	W93382	EST		Sequence 9987	AB002332	NUC
Sequence 9935	Q04492	NUCPATENT		Sequence 9988	AB002334	NUC
Sequence 9936	Q13053	NUCPATENT		Sequence 9989	AB002375	NUC
Sequence 9937	Q38943	NUCPATENT		Sequence 9990	AB004064	NUC
Sequence 9938	Q67601	NUCPATENT		Sequence 9991	AB006780	NUC
Sequence 9939	V60015	NUCPATENT		Sequence 9992	AB006781	NUC
Sequence 9940	V88953	NUCPATENT		Sequence 9993	AB007510	NUC
Sequence 9941	X39756	NUCPATENT		Sequence 9994	AB007922	NUC
Sequence 9942	X40197	NUCPATENT		Sequence 9995	AB007940	NUC
Sequence 9943	X40886	NUCPATENT		Sequence 9996	AB008164	NUC
Sequence 9944	X52239	NUCPATENT		Sequence 9997	AB008822	NUC
Sequence 9945	X59820	NUCPATENT		Sequence 9998	AB009424	NUC
Sequence 9946	Z09235	NUCPATENT		Sequence 9999	AB011132	NUC
Sequence 9947	Z16252	NUCPATENT		Sequence 10000	AB012122	NUC
Sequence 9948	Z18356	NUCPATENT		Sequence 10001	AB014598	NUC

TABLE 6

Sequence 10002	AB014610	NUC		Sequence 10055	AC006077	NUC
Sequence 10003	AB015333	NUC		Sequence 10056	AC006153	NUC
Sequence 10004	AB018001	NUC		Sequence 10057	AC006238	NUC
Sequence 10005	AB018257	NUC		Sequence 10058	AC006323	NUC
Sequence 10006	AB018334	NUC		Sequence 10059	AC006353	NUC
Sequence 10007	AB019490	NUC		Sequence 10060	AC006430	NUC
Sequence 10008	AB019568	NUC		Sequence 10061	AC006461	NUC
Sequence 10009	AB020337	NUC		Sequence 10062	AC006509	NUC
Sequence 10010	AB020636	NUC		Sequence 10063	AC006985	NUC
Sequence 10011	AB020643	NUC		Sequence 10064	AC007041	NUC
Sequence 10012	AB020657	NUC		Sequence 10065	AC007068	NUC
Sequence 10013	AB020867	NUC		Sequence 10066	AC007372	NUC
Sequence 10014	AB023052	NUC		Sequence 10067	AC007381	NUC
Sequence 10015	AB023227	NUC		Sequence 10068	AC007406	NUC
Sequence 10016	AB028624	NUC		Sequence 10069	AC007688	NUC
Sequence 10017	AB032988	NUC		Sequence 10070	AC007878	NUC
Sequence 10018	AB033058	NUC		Sequence 10071	AC008056	NUC
Sequence 10019	AB033899	NUC		Sequence 10072	AC008080	NUC
Sequence 10020	AB035541	NUC		Sequence 10073	AC008268	NUC
Sequence 10021	AC000092	NUC		Sequence 10074	AC009330	NUC
Sequence 10022	AC000353	NUC		Sequence 10075	AC009510	NUC
Sequence 10023	AC000394	NUC		Sequence 10076	AE000658	NUC
Sequence 10024	AC001226	NUC		Sequence 10077	AF000380	NUC
Sequence 10025	AC002041	NUC		Sequence 10078	AF001549	NUC
Sequence 10026	AC002357	NUC		Sequence 10079	AF004230	NUC
Sequence 10027	AC002553	NUC		Sequence 10080	AF004339	NUC
Sequence 10028	AC003108	NUC		Sequence 10081	AF005422	NUC
Sequence 10029	AC003669	NUC		Sequence 10082	AF007791	NUC
Sequence 10030	AC003688	NUC		Sequence 10083	AF009702	NUC
Sequence 10031	AC003983	NUC		Sequence 10084	AF012281	NUC
Sequence 10032	AC004231	NUC		Sequence 10085	AF013758	NUC
Sequence 10033	AC004785	NUC		Sequence 10086	AF016694	NUC
Sequence 10034	AC004823	NUC		Sequence 10087	AF017269	NUC
Sequence 10035	AC004865	NUC		Sequence 10088	AF020038	NUC
Sequence 10036	AC004877	NUC		Sequence 10089	AF023338	NUC
Sequence 10037	AC004902	NUC		Sequence 10090	AF030107	NUC
Sequence 10038	AC004974	NUC		Sequence 10091	AF030310	NUC
Sequence 10039	AC004993	NUC		Sequence 10092	AF038451	NUC
Sequence 10040	AC005037	NUC		Sequence 10093	AF038452	NUC
Sequence 10041	AC005046	NUC		Sequence 10094	AF038650	NUC
Sequence 10042	AC005229	NUC		Sequence 10095	AF038965	NUC
Sequence 10043	AC005249	NUC		Sequence 10096	AF041449	NUC
Sequence 10044	AC005296	NUC		Sequence 10097	AF044961	NUC
Sequence 10045	AC005531	NUC		Sequence 10098	AF046024	NUC
Sequence 10046	AC005598	NUC		Sequence 10099	AF052577	NUC
Sequence 10047	AC005611	NUC		Sequence 10100	AF054179	NUC
Sequence 10048	AC005832	NUC		Sequence 10101	AF054284	NUC
Sequence 10049	AC005837	NUC		Sequence 10102	AF054838	NUC
Sequence 10050	AC005838	NUC		Sequence 10103	AF057299	NUC
Sequence 10051	AC005858	NUC		Sequence 10104	AF062322	NUC
Sequence 10052	AC006016	NUC		Sequence 10105	AF065388	NUC
Sequence 10053	AC006043	NUC		Sequence 10106	AF065391	NUC
Sequence 10054	AC006064	NUC		Sequence 10107	AF065869	NUC

TABLE 6

Sequence 10108	AF068302	NUC	Sequence 10161	AK000683	NUC
Sequence 10109	AF070666	NUC	Sequence 10162	AL031591	NUC
Sequence 10110	AF086183	NUC	Sequence 10163	AL031652	NUC
Sequence 10111	AF086243	NUC	Sequence 10164	AL031710	NUC
Sequence 10112	AF088219	NUC	Sequence 10165	AL034343	NUC
Sequence 10113	AF088867	NUC	Sequence 10166	AL034553	NUC
Sequence 10114	AF090891	NUC	Sequence 10167	AL035661	NUC
Sequence 10115	AF097021	NUC	Sequence 10168	AL049367	NUC
Sequence 10116	AF100740	NUC	Sequence 10169	AL080075	NUC
Sequence 10117	AF100756	NUC	Sequence 10170	AL080274	NUC
Sequence 10118	AF102542	NUC	Sequence 10171	AL096701	NUC
Sequence 10119	AF105277	NUC	Sequence 10172	AL110100	NUC
Sequence 10120	AF112217	NUC	Sequence 10173	AL110224	NUC
Sequence 10121	AF113016	NUC	Sequence 10174	AL117543	NUC
Sequence 10122	AF113676	NUC	Sequence 10175	AL122120	NUC
Sequence 10123	AF124598	NUC	Sequence 10176	AL132708	NUC
Sequence 10124	AF126181	NUC	Sequence 10177	AL133010	NUC
Sequence 10125	AF130342	NUC	Sequence 10178	AL133371	NUC
Sequence 10126	AF131775	NUC	Sequence 10179	AP000068	NUC
Sequence 10127	AF132818	NUC	Sequence 10180	AP000349	NUC
Sequence 10128	AF133423	NUC	Sequence 10181	AP000523	NUC
Sequence 10129	AF134726	NUC	Sequence 10182	D00017	NUC
Sequence 10130	AF137030	NUC	Sequence 10183	D00137	NUC
Sequence 10131	AF137334	NUC	Sequence 10184	D00183	NUC
Sequence 10132	AF146191	NUC	Sequence 10185	D00408	NUC
Sequence 10133	AF151097	NUC	Sequence 10186	D13388	NUC
Sequence 10134	AF151892	NUC	Sequence 10187	D14043	NUC
Sequence 10135	AF151908	NUC	Sequence 10188	D16913	NUC
Sequence 10136	AF153201	NUC	Sequence 10189	D17039	NUC
Sequence 10137	AF154840	NUC	Sequence 10190	D23660	NUC
Sequence 10138	AF161414	NUC	Sequence 10191	D30648	NUC
Sequence 10139	AF161542	NUC	Sequence 10192	D38112	NUC
Sequence 10140	AF165142	NUC	Sequence 10193	D38583	NUC
Sequence 10141	AF177533	NUC	Sequence 10194	D50405	NUC
Sequence 10142	AF181972	NUC	Sequence 10195	D50929	NUC
Sequence 10143	AF196478	NUC	Sequence 10196	D63486	NUC
Sequence 10144	AF198455	NUC	Sequence 10197	D78152	NUC
Sequence 10145	AF203815	NUC	Sequence 10198	D79996	NUC
Sequence 10146	AF221069	NUC	Sequence 10199	D86326	NUC
Sequence 10147	AJ000334	NUC	Sequence 10200	D87119	NUC
Sequence 10148	AJ001306	NUC	Sequence 10201	D87666	NUC
Sequence 10149	AJ002744	NUC	Sequence 10202	D87667	NUC
Sequence 10150	AJ006996	NUC	Sequence 10203	D87845	NUC
Sequence 10151	AJ010597	NUC	Sequence 10204	E00195	NUC
Sequence 10152	AJ011497	NUC	Sequence 10205	E01094	NUC
Sequence 10153	AJ011930	NUC	Sequence 10206	E01574	NUC
Sequence 10154	AJ238979	NUC	Sequence 10207	E01630	NUC
Sequence 10155	AJ242015	NUC	Sequence 10208	E01888	NUC
Sequence 10156	AK000055	NUC	Sequence 10209	E01956	NUC
Sequence 10157	AK000070	NUC	Sequence 10210	E01971	NUC
Sequence 10158	AK000168	NUC	Sequence 10211	E01972	NUC
Sequence 10159	AK000234	NUC	Sequence 10212	E02192	NUC
Sequence 10160	AK000484	NUC	Sequence 10213	E02628	NUC

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Sequence 10214	E02904	NUC		Sequence 10267	M77693	NUC
Sequence 10215	E14558	NUC		Sequence 10268	M82962	NUC
Sequence 10216	J02621	NUC		Sequence 10269	M84424	NUC
Sequence 10217	J02763	NUC		Sequence 10270	S82081	NUC
Sequence 10218	J03037	NUC		Sequence 10271	U03272	NUC
Sequence 10219	J03133	NUC		Sequence 10272	U04313	NUC
Sequence 10220	J03798	NUC		Sequence 10273	U07809	NUC
Sequence 10221	J03801	NUC		Sequence 10274	U07969	NUC
Sequence 10222	J04813	NUC		Sequence 10275	U11292	NUC
Sequence 10223	J05016	NUC		Sequence 10276	U12472	NUC
Sequence 10224	J05036	NUC		Sequence 10277	U12535	NUC
Sequence 10225	J05594	NUC		Sequence 10278	U14972	NUC
Sequence 10226	K01177	NUC		Sequence 10279	U16798	NUC
Sequence 10227	K02100	NUC		Sequence 10280	U17104	NUC
Sequence 10228	K03028	NUC		Sequence 10281	U26032	NUC
Sequence 10229	L02785	NUC		Sequence 10282	U26424	NUC
Sequence 10230	L04143	NUC		Sequence 10283	U30897	NUC
Sequence 10231	L07093	NUC		Sequence 10284	U30930	NUC
Sequence 10232	L07633	NUC		Sequence 10285	U31449	NUC
Sequence 10233	L11708	NUC		Sequence 10286	U33632	NUC
Sequence 10234	L13806	NUC		Sequence 10287	U37100	NUC
Sequence 10235	L15203	NUC		Sequence 10288	U43188	NUC
Sequence 10236	L19956	NUC		Sequence 10289	U50078	NUC
Sequence 10237	L20826	NUC		Sequence 10290	U60337	NUC
Sequence 10238	L20941	NUC		Sequence 10291	U70426	NUC
Sequence 10239	L25877	NUC		Sequence 10292	U72935	NUC
Sequence 10240	L26985	NUC		Sequence 10293	U73645	NUC
Sequence 10241	L27476	NUC		Sequence 10294	U77604	NUC
Sequence 10242	L37080	NUC		Sequence 10295	U78045	NUC
Sequence 10243	M10050	NUC		Sequence 10296	U91321	NUC
Sequence 10244	M10617	NUC		Sequence 10297	U95367	NUC
Sequence 10245	M11567	NUC		Sequence 10298	X00270	NUC
Sequence 10246	M12075	NUC		Sequence 10299	X02902	NUC
Sequence 10247	M15943	NUC		Sequence 10300	X03363	NUC
Sequence 10248	M16234	NUC		Sequence 10301	X04106	NUC
Sequence 10249	M16337	NUC		Sequence 10302	X04297	NUC
Sequence 10250	M17082	NUC		Sequence 10303	X05030	NUC
Sequence 10251	M17303	NUC		Sequence 10304	X05231	NUC
Sequence 10252	M18079	NUC		Sequence 10305	X06272	NUC
Sequence 10253	M18216	NUC		Sequence 10306	X13238	NUC
Sequence 10254	M18728	NUC		Sequence 10307	X51698	NUC
Sequence 10255	M18907	NUC		Sequence 10308	X53586	NUC
Sequence 10256	M24847	NUC		Sequence 10309	X55544	NUC
Sequence 10257	M26481	NUC		Sequence 10310	X55733	NUC
Sequence 10258	M27971	NUC		Sequence 10311	X62946	NUC
Sequence 10259	M29540	NUC		Sequence 10312	X63597	NUC
Sequence 10260	M32306	NUC		Sequence 10313	X65614	NUC
Sequence 10261	M34181	NUC		Sequence 10314	X68314	NUC
Sequence 10262	M35252	NUC		Sequence 10315	X73502	NUC
Sequence 10263	M60484	NUC		Sequence 10316	X75861	NUC
Sequence 10264	M65209	NUC		Sequence 10317	X90579	NUC
Sequence 10265	M67480	NUC		Sequence 10318	X93036	NUC
Sequence 10266	M73489	NUC		Sequence 10319	X93207	NUC

TABLE 6

Sequence 10320	Y00339	NUC	Sequence 10373	AA149518	EST
Sequence 10321	Y00345	NUC	Sequence 10374	AA152037	EST
Sequence 10322	Y09616	NUC	Sequence 10375	AA156215	EST
Sequence 10323	Y13829	NUC	Sequence 10376	AA159272	EST
Sequence 10324	Z11502	NUC	Sequence 10377	AA159307	EST
Sequence 10325	Z13009	NUC	Sequence 10378	AA164354	EST
Sequence 10326	Z26317	NUC	Sequence 10379	AA167094	EST
Sequence 10327	Z47553	NUC	Sequence 10380	AA172133	EST
Sequence 10328	Z84488	NUC	Sequence 10381	AA173559	EST
Sequence 10329	Z98257	NUC	Sequence 10382	AA179187	EST
Sequence 10330	AA001805	EST	Sequence 10383	AA180137	EST
Sequence 10331	AA007395	EST	Sequence 10384	AA186376	EST
Sequence 10332	AA019334	EST	Sequence 10385	AA187740	EST
Sequence 10333	AA035089	EST	Sequence 10386	AA188065	EST
Sequence 10334	AA035416	EST	Sequence 10387	AA195525	EST
Sequence 10335	AA039276	EST	Sequence 10388	AA195993	EST
Sequence 10336	AA040122	EST	Sequence 10389	AA218693	EST
Sequence 10337	AA053102	EST	Sequence 10390	AA223515	EST
Sequence 10338	AA053763	EST	Sequence 10391	AA242891	EST
Sequence 10339	AA055606	EST	Sequence 10392	AA243032	EST
Sequence 10340	AA055880	EST	Sequence 10393	AA244356	EST
Sequence 10341	AA082736	EST	Sequence 10394	AA251305	EST
Sequence 10342	AA083266	EST	Sequence 10395	AA278907	EST
Sequence 10343	AA083371	EST	Sequence 10396	AA279679	EST
Sequence 10344	AA088187	EST	Sequence 10397	AA280392	EST
Sequence 10345	AA088770	EST	Sequence 10398	AA280704	EST
Sequence 10346	AA093033	EST	Sequence 10399	AA287196	EST
Sequence 10347	AA099433	EST	Sequence 10400	AA293695	EST
Sequence 10348	AA099673	EST	Sequence 10401	AA294978	EST
Sequence 10349	AA099805	EST	Sequence 10402	AA295348	EST
Sequence 10350	AA100719	EST	Sequence 10403	AA295380	EST
Sequence 10351	AA100852	EST	Sequence 10404	AA295400	EST
Sequence 10352	AA101894	EST	Sequence 10405	AA295485	EST
Sequence 10353	AA102326	EST	Sequence 10406	AA295520	EST
Sequence 10354	AA120822	EST	Sequence 10407	AA296956	EST
Sequence 10355	AA122301	EST	Sequence 10408	AA297883	EST
Sequence 10356	AA126809	EST	Sequence 10409	AA298099	EST
Sequence 10357	AA130541	EST	Sequence 10410	AA298786	EST
Sequence 10358	AA130926	EST	Sequence 10411	AA300544	EST
Sequence 10359	AA132182	EST	Sequence 10412	AA303445	EST
Sequence 10360	AA132183	EST	Sequence 10413	AA304043	EST
Sequence 10361	AA132297	EST	Sequence 10414	AA305819	EST
Sequence 10362	AA132598	EST	Sequence 10415	AA306364	EST
Sequence 10363	AA132642	EST	Sequence 10416	AA307115	EST
Sequence 10364	AA132964	EST	Sequence 10417	AA307513	EST
Sequence 10365	AA133748	EST	Sequence 10418	AA307590	EST
Sequence 10366	AA134106	EST	Sequence 10419	AA307644	EST
Sequence 10367	AA134283	EST	Sequence 10420	AA307697	EST
Sequence 10368	AA134921	EST	Sequence 10421	AA307789	EST
Sequence 10369	AA135001	EST	Sequence 10422	AA307800	EST
Sequence 10370	AA143780	EST	Sequence 10423	AA308400	EST
Sequence 10371	AA148768	EST	Sequence 10424	AA308533	EST
Sequence 10372	AA149065	EST	Sequence 10425	AA313108	EST

TABLE 6

Sequence 10426	AA313200	EST	Sequence 10479	AA507265	EST
Sequence 10427	AA313517	EST	Sequence 10480	AA507595	EST
Sequence 10428	AA313549	EST	Sequence 10481	AA508861	EST
Sequence 10429	AA313603	EST	Sequence 10482	AA514776	EST
Sequence 10430	AA313804	EST	Sequence 10483	AA515094	EST
Sequence 10431	AA314146	EST	Sequence 10484	AA521472	EST
Sequence 10432	AA314225	EST	Sequence 10485	AA523697	EST
Sequence 10433	AA314372	EST	Sequence 10486	AA523877	EST
Sequence 10434	AA314847	EST	Sequence 10487	AA524023	EST
Sequence 10435	AA315049	EST	Sequence 10488	AA527185	EST
Sequence 10436	AA315069	EST	Sequence 10489	AA527188	EST
Sequence 10437	AA315469	EST	Sequence 10490	AA534147	EST
Sequence 10438	AA315689	EST	Sequence 10491	AA534445	EST
Sequence 10439	AA315881	EST	Sequence 10492	AA535703	EST
Sequence 10440	AA315896	EST	Sequence 10493	AA545726	EST
Sequence 10441	AA315933	EST	Sequence 10494	AA548231	EST
Sequence 10442	AA315993	EST	Sequence 10495	AA548343	EST
Sequence 10443	AA316156	EST	Sequence 10496	AA551581	EST
Sequence 10444	AA316525	EST	Sequence 10497	AA551820	EST
Sequence 10445	AA316863	EST	Sequence 10498	AA551912	EST
Sequence 10446	AA316874	EST	Sequence 10499	AA552037	EST
Sequence 10447	AA317144	EST	Sequence 10500	AA552106	EST
Sequence 10448	AA321236	EST	Sequence 10501	AA552253	EST
Sequence 10449	AA321823	EST	Sequence 10502	AA552328	EST
Sequence 10450	AA328803	EST	Sequence 10503	AA552696	EST
Sequence 10451	AA341020	EST	Sequence 10504	AA553446	EST
Sequence 10452	AA343168	EST	Sequence 10505	AA553880	EST
Sequence 10453	AA344374	EST	Sequence 10506	AA555209	EST
Sequence 10454	AA362430	EST	Sequence 10507	AA559040	EST
Sequence 10455	AA367446	EST	Sequence 10508	AA568218	EST
Sequence 10456	AA376925	EST	Sequence 10509	AA573742	EST
Sequence 10457	AA377129	EST	Sequence 10510	AA573762·	EST
Sequence 10458	AA400749	EST	Sequence 10511	AA573811	EST
Sequence 10459	AA401522	EST	Sequence 10512	AA573904	EST
Sequence 10460	AA410972	EST	Sequence 10513	AA573910	EST
Sequence 10461	AA411712	EST	Sequence 10514	AA577501	EST
Sequence 10462	AA420789	EST	Sequence 10515	AA579613	EST
Sequence 10463	AA421562	EST	Sequence 10516	AA579753	EST
Sequence 10464	AA424070	EST	Sequence 10517	AA581220	·EST
Sequence 10465	AA434120	EST	Sequence 10518	AA581222	EST
Sequence 10466	AA451679	EST	Sequence 10519	AA581264	EST
Sequence 10467	AA452027	EST	Sequence 10520	AA581266	EST
Sequence 10468	AA452340	EST	Sequence 10521	AA582738	EST
Sequence 10469	AA454884	EST	Sequence 10522	AA582844	EST
Sequence 10470	AA465494	EST	Sequence 10523	AA583270	EST
Sequence 10471	AA471027	EST	Sequence 10524	AA583339	EST
Sequence 10472	AA478898	EST	Sequence 10525	AA584940	EST
Sequence 10473	AA485460	EST	Sequence 10526	AA587613	EST
Sequence 10474	AA486673	EST	Sequence 10527	AA587700	EST
Sequence 10475	AA486704	EST	Sequence 10528	AA588034	EST
Sequence 10476	AA487468	EST	Sequence 10529	AA588081	EST
Sequence 10477	AA488588	EST	Sequence 10530	AA593864	EST
Sequence 10478	AA502781	EST	Sequence 10531	AA594472	EST

TABLE 6

Sequence 10532	AA612829	EST		Sequence 10585	AI028417	EST
Sequence 10533	AA625375	EST		Sequence 10586	AI037890	EST
Sequence 10534	AA627508	EST		Sequence 10587	AI040784	EST
Sequence 10535	AA628768	EST		Sequence 10588	AI056882	EST
Sequence 10536	AA630444	EST		Sequence 10589	AI064691	EST
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Sequence 10584	AI023791	EST		Sequence 10637	AI286334	EST

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Sequence 10683	AI674913	EST		Sequence 10736	AW182560	EST
Sequence 10684	AI674928	EST		Sequence 10737	AW238411	EST
Sequence 10685	AI677998	EST		Sequence 10738	AW246317	EST
Sequence 10686	AI678643	EST		Sequence 10739	AW360772	EST
Sequence 10687	AI678696	EST		Sequence 10740	AW363244	EST
Sequence 10688	AI678780	EST		Sequence 10741	AW363628	EST
Sequence 10689	AI690207	EST		Sequence 10742	AW364573	EST
Sequence 10690	AI693877	EST		Sequence 10743	AW364741	EST

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Sequence 10744	AW372296	EST
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Sequence 10746	AW374874	EST
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Sequence 10794	AC35162	PREPATNUC
Sequence 10795	AC35231	PREPATNUC

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Sequence 3780: found in patent publication WO99/57144
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Sequence 3781: found in patent publication WO99/53040
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Sequence 3783: found in patent publication WO99/64594
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Sequence 6295: found in patent publication WO99/64594
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Sequence 6283: found in patent publication WO99/64594
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Sequence 6298: found in patent publication WO99/64594
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Sequence 6287: found in patent publication WO99/58660
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Sequence 6297: found in patent publication WO99/64594
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Sequence 6292: found in patent publication WO99/64595
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Sequence 6274: found in patent publication WO99/46375
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Sequence 6301: found in patent publication WO99/64584
CGGCCGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCCGAGG
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Sequence 6294: found in patent publication WO99/64594
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Sequence 6280: found in patent publication WO99/64594

GATATCTGCAGAATTCGCCCTTAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTNGTTC
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Sequence 6296: found in patent publication WO99/64584
GATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCCGAG
Sequence 8096: found in patent publication WO99/60116
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Sequence 8098: found in patent publication WO99/61471
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Sequence 8095: found in patent publication WO99/55858
CCCTTTCGAGCGGCCGCCCGGGCAGGTACTGGCCAGTTACTGTTCAGCGTTGTCATCAAC
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Sequence 8105: found in patent publication WO99/64594
CGGCCCGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTAGCGTGG
Sequence 8106: found in patent publication WO99/64594
ATGGATATCTGCACAATTCACCCTTANCGNGGTCTCGGCCGANGTACTNTTTTTTTTT
Sequence 8097: found in patent publication WO99/61471
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Sequence 8099: found in patent publication WO99/63088
CCCTTTCGAGCGGCCGCCCGGGCAGGTACTGAGACCGGGAGGTGTGCTCTTTTTCTGGGA
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Sequence 8100: found in patent publication WO99/63088
CCCTTTGAGCGGCCGCCCGGGCAGGTACATACTACAGCTTAATTTGTGGAATATAAGATG
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Sequence 8093: found in patent publication WO99/53040
CCCTTAGCGTGGCGCGGCCGAGGTACGCGGGGAGACTATGGGATCACTTTGTTTGTGCAT
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Sequence 8094: found in patent publication WO99/54461
CCCTTAGCGGCCGCCCGGGCAGGTACGCGGGTCTGCCAGGCAGTCATCATCCCCCCAGAG
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CCCTTTCGAGCGGCCGCCCGGGCAGGTACTGTGAAACCACCAACTTCAGTTGCCTCAGAC
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Sequence 8107: found in patent publication WO99/64594
CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTATTTTTNNNNNNAA
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Sequence 8092: found in patent publication WO99/46375
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Sequence 8102: found in patent publication WO99/64576
CCCTTAGCGTGGTCGCGGCCGAGGTACAACTCTTGCTAATGGAATGCTATAATGCACAAG
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Sequence 8104: found in patent publication WO99/64594
GGCGAATTGGGCCTNCTCATGCATGCTCCAGNGTGATGGATATNTGCAGAATTCTCCCTT
AANCGTGGTCNCGGCCGAGGTACACA
Sequence 8103: found in patent publication WO99/64576
CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCTGTGGAGGGCTGCAGTGCTCGTGGATTCA
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Sequence 8108: found in patent publication WO99/64594
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Sequence 9980: found in patent publication WO99/64576
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Sequence 9970: found in patent publication WO99/64594
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Sequence 9977: found in patent publication WO99/64594
GATATCTGCAGAATTCGCCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTATTTTTTTT
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Sequence 9958: found in patent publication WO99/55858
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Sequence 9975: found in patent publication WO99/64576
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Sequence 9963: found in patent publication WO99/55865
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Sequence 9966: found in patent publication WO99/64594
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Sequence 9953: found in patent publication WO98/45435
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Sequence 9957: found in public publication WO99/54461
CCCTTTCGAGCGGCCCGCCCGGGCAGGTACCGCGGGACCCTCAGTCTCTGTGGAAACCAG
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Sequence 9967: found in patent publication WO99/64594
ATGGATATCTGCAGANTTCNCCCTTAGCGAGGTCGCGGCCGANGTACAGTTCCTGGCCTT
Sequence 9960: found in patent publication WO99/57144
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Sequence 9965: found in patent publication WO99/64576
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Sequence 9972: found in patent publication WO99/64594
TGCATGCTCGAGCCGGCCCGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGC

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Sequence 9968: found in patent publication WO99/64594
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Sequence 9956: found in patent publication WO99/53040
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Sequence 9981: found in public publication WO99/64576
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Sequence 9971: found in patent publication WO99/64594
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Sequence 9961: found in patent publication WO99/60133
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Sequence 9974: found in patent publication WO99/64594
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Sequence 9978: found in patent publication WO99/64594
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Sequence 9954: found in patent publication WO99/14240
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Sequence 9962: found in patent publication WO99/63088
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Sequence 9969: found in patent publication WO99/64594
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Sequence 9955: found in patent publication WO99/47669
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Sequence 9979: found in patent publication WO99/66041
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Sequence 9959: found in patent publication WO99/54460
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Table 6A

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Table 6A

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Table 6A

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Table 6A

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Table 6A

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Table 6A

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Table 6A

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Table 6A

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Table 6A

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TABLE 6-1

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J03575	GenBank	189737
AJ224171	GenBank	4107228
AC006033	GenBank	4309948
X98296	GenBank	1666074
AF078932	GenBank	5725528
AL031777	GenBank	9367197
AB018302	GenBank	3882238
D44466	GenBank	1808577
J02908	GenBank	178854
AC007276	GenBank	6587937
AB007860	GenBank	2662080
U64791	GenBank	1498734
U19143	GenBank	914900
AF143235	GenBank	6449465
AC003688	GenBank	3789719
AC004983	GenBank	4309885
AF121863	GenBank	4689265
AC005272	GenBank	3293211
AF055474	GenBank	nil
M87770	GenBank	186779
AF001893	GenBank	2529723
AC003093	GenBank	2588608
AC009946	GenBank	6604542
AJ011001	GenBank	4456466
U91328	GenBank	2088550
AL050254	GenBank	4886422
AC004240	GenBank	2914717
AF152364	GenBank	5353727
AC005076	GenBank	4508110
AB023050	GenBank	5672605
AC008064	GenBank	6560932
AC009514	GenBank	6016667
AC005189	GenBank	3264580
AF151908	GenBank	4929768
AF042346	GenBank	4104932
M90516	GenBank	183081
AB007191	GenBank	8698842
AF041259	GenBank	3335396
Z47087	GenBank	860989
AC008008	GenBank	5656683
A32135	GenBank	1567303
J00126	GenBank	187723
AF006386	GenBank	2352533
A42048	GenBank	2297542
AB019568	GenBank	3885371
AC005954	GenBank	3851201
AB029020	GenBank	5689530
X04470	GenBank	28638
AF095743	GenBank	4768606
X06547	GenBank	31945
AP000509	GenBank	5926696
AB033048	GenBank	6330610

TABLE 6-1

ACC NUM	DATABASE	GI NBR
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Z13009	GenBank	31072
AF053641	GenBank	3560556
D38073	GenBank	862331
AC005480	GenBank	4835818
J04607	GenBank	339666
AC004782	GenBank	3172145
AC004816	GenBank	4156209
AF057356	GenBank	3063652
AF071219	GenBank	3288867
L16783	GenBank	452438
AC006255	GenBank	5306223
X15480	GenBank	31947
E01979	GenBank	2170227
AF068846	GenBank	3201999
U23028	GenBank	806853
AC000015	GenBank	4263638
AL122071	GenBank	6102868
D31784	GenBank	974184
AC005832	GenBank	4165004
AL031673	GenBank	9581760
AC004257	GenBank	2924762
D87667	GenBank	1620019
L20826	GenBank	405229
AJ238222	GenBank	4741549
AB014607	GenBank	3327227
AB011099	GenBank	3043577
AL049830	GenBank	6729561
AB000516	GenBank	2723379
D64015	GenBank	2281005
AF144713	GenBank	4960029
U00947	GenBank	405049
AJ225089	GenBank	3451239
X81892	GenBank	2117160
M33882	GenBank	190135
U02680	GenBank	451481
AC004774	GenBank	3169209
AC004499	GenBank	2996641
J05412	GenBank	190980
AF020797	GenBank	9256827
X85373	GenBank	806565
U65011	GenBank	1903383
AB033899	GenBank	6174679
AL031427	GenBank	4835258
AC002476	GenBank	2340101
AF065388	GenBank	3152700
D28760	GenBank	633075
Z75407	GenBank	6572402
AC009330	GenBank	6553960
AC004386	GenBank	3046272
E12274	GenBank	3251108
AC004217	GenBank	3094990
AC005841	GenBank	4731044
E03346	GenBank	2171563
Y13620	GenBank	2181877
AC002086	GenBank	2085785

TABLE 6-1

ACC NUM	DATABASE	GI NBR
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AC005538	GenBank	4508129
AL031058	GenBank	3395507
AJ224172	GenBank	4107230
U47077	GenBank	9027566
U41387	GenBank	1230563
J05581	GenBank	188869
AC002394	GenBank	2815550
M87339	GenBank	1498255
U14528	GenBank	549987
AC009247	GenBank	6539155
AF050638	GenBank	5326819
J05036	GenBank	181193
U60205	GenBank	1408205
AB011540	GenBank	3449305
AF038963	GenBank	4405794
M18963	GenBank	190978
U77665	GenBank	1885380
AJ224442	GenBank	2911586
M14505	GenBank	456426
AF052124	GenBank	3360431
AB006077	GenBank	2564010
M17885	GenBank	190231
D38551	GenBank	1531549
L05095	GenBank	388034
D30648	GenBank	506337
AF155832	GenBank	6288768
U66616	GenBank	1549240
X94563	GenBank	1212940
AF178030	GenBank	6539738
V00478	GenBank	28244
AB003103	GenBank	1945610
AB028964	GenBank	5689418
AF064257	GenBank	5881960
D31763	GenBank	498151
AC004106	GenBank	3150276
AB028859	GenBank	6567165
L19185	GenBank	440307
Z73362	GenBank	1322154
AF064861	GenBank	3171154
AB016068	GenBank	3721863
D50929	GenBank	1469200
AC007390	GenBank	6358845
AF086541	GenBank	3483886
AF022783	GenBank	2564647
AC008038	GenBank	5454237
U14966	GenBank	550012
AL033527	GenBank	6456853
AC006064	GenBank	4572650
AL023656	GenBank	5679746
J04763	GenBank	1162925
AF125525	GenBank	4689281
AC005412	GenBank	5931398
AC004518	GenBank	3004535
AP000530	GenBank	5931508
AF019413	GenBank	2347130

TABLE 6-1

ACC NUM	DATABASE	GI NBR
D38112	GenBank	644480
AC007392	GenBank	5523809
M24895	GenBank	537511
X79536	GenBank	496897
AC006597	GenBank	4512725
AL080061	GenBank	5262465
AC003983	GenBank	2769694
M34088	GenBank	182122
D63480	GenBank	1469873
AL049227	GenBank	4499957
AC005912	GenBank	4165005
AC004551	GenBank	3309005
M21142	GenBank	183402
AF077200	GenBank	4679013
AL035411	GenBank	6136940
AC005224	GenBank	3419837
U00946	GenBank	405048
M87503	GenBank	184652
AF026939	GenBank	2612967
AB011143	GenBank	3043665
AL049821	GenBank	5791513
AL021368	GenBank	3080468
AL049776	GenBank	6681704
AB002391	GenBank	6683696
M26481	GenBank	619789
M29536	GenBank	182066
X59417	GenBank	35681
AC005042	GenBank	4156138
AC006599	GenBank	4454485
AC006055	GenBank	4071011
AF045451	GenBank	3282822
AC002400	GenBank	2576344
AF055473	GenBank	nil
AB027196	GenBank	5931613
AL031710	GenBank	9798435
AB011542	GenBank	3449309
U47742	GenBank	1517913
U31089	GenBank	987264
U73843	GenBank	1841522
A12213	GenBank	490115
AB020657	GenBank	4240188
L27211	GenBank	558656
AF187320	GenBank	6164847
L15702	GenBank	291921
AF069313	GenBank	7145105
AF054183	GenBank	4092053
AL080317	GenBank	5830430
M30393	GenBank	340381
AL008627	GenBank	2769539
U29091	GenBank	1374791
AL049692	GenBank	6165349
AF053233	GenBank	2996191
AF088071	GenBank	3523277
M33651	GenBank	338060
U92436	GenBank	1916327
AC005049	GenBank	5757514

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ACC NUM	DATABASE	GI NBR
AB028974	GenBank	5689438
AL133243	GenBank	6491713
AC006384	GenBank	4309808
AF017786	GenBank	3047172
X02152	GenBank	34312
AC006198	GenBank	4038072
S72869	GenBank	633869
X52851	GenBank	30167
AC004185	GenBank	3924650
L09159	GenBank	307374
AC004466	GenBank	3617739
AF027205	GenBank	2598967
AL080312	GenBank	6630798
AL079283	GenBank	5102744
L00084	GenBank	179055
U83117	GenBank	1769601
AF012072	GenBank	2895096
D16920	GenBank	598753
J03503	GenBank	189765
AB023052	GenBank	5672607
AC002055	GenBank	7923863
E02628	GenBank	2170856
AF035320	GenBank	2661084
M13560	GenBank	184517
Z46606	GenBank	575250
AC006312	GenBank	4582483
AF022913	GenBank	2558890
AC005406	GenBank	4580403
AC005406	GenBank	4580403
AC007510	GenBank	5819147
AL050198	GenBank	4884436
AL050265	GenBank	4886440
M23410	GenBank	762884
D90373	GenBank	219477
AF028593	GenBank	2599081
D87454	GenBank	1665796
AL024498	GenBank	5924006
L20941	GenBank	507251
AC005488	GenBank	5836194
Z83818	GenBank	1841425
AL049471	GenBank	4500266
AF110184	GenBank	5565858
D55654	GenBank	1255603
U66894	GenBank	1754537
AF016028	GenBank	7638812
AL031663	GenBank	9408724
U73634	GenBank	1737189
AF050110	GenBank	3523144
AL117621	GenBank	5912202
AC002115	GenBank	2098573
AL050341	GenBank	5791509
AL049766	GenBank	5763746
AC006146	GenBank	5836157
U15782	GenBank	632497
AC004130	GenBank	2842785
S57153	GenBank	298681

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ACC NUM	DATABASE	GI NBR
M24194	GenBank	187701
AB002381	GenBank	2224706
AC005348	GenBank	3366564
AF019226	GenBank	3406426
AF100748	GenBank	5410281
AF010313	GenBank	6468761
AF080561	GenBank	3746786
D30658	GenBank	577711
S69002	GenBank	545407
AF141201	GenBank	4741992
D13643	GenBank	6630631
AB011120	GenBank	3043619
AC000054	GenBank	5080832
AF151871	GenBank	4929694
AC005630	GenBank	4159882
X03635	GenBank	31233
AB002371	GenBank	2224686
L01457	GenBank	179282
X57352	GenBank	311374
J04611	GenBank	178649
AC000065	GenBank	1669367
AB018305	GenBank	3882244
AF069469	GenBank	4106788
AC007001	GenBank	4753230
AF013988	GenBank	2318114
AF052147	GenBank	3360456
AF032442	GenBank	2911343
AC002039	GenBank	2342716
AB026723	GenBank	5931601
AC005083	GenBank	4150930
J04765	GenBank	189404
AF077030	GenBank	4689107
L28809	GenBank	454151
AL021807	GenBank	9367202
AF070609	GenBank	3387991
AC004882	GenBank	5523837
X04106	GenBank	35327
AC005546	GenBank	3478635
AF196482	GenBank	6319213
AC004556	GenBank	3983555
Y11651	GenBank	2125811
AC005593	GenBank	3513291
AP059524	GenBank	4091867
AF119297	GenBank	4633508
AB014087	GenBank	5672599
AF070560	GenBank	3387927
U19769	GenBank	924600
M55542	GenBank	183001
U37426	GenBank	1171152
AC007487	GenBank	4753223
D10495	GenBank	520586
AC003029	GenBank	3366554
AB020658	GenBank	4240190
AP000404	GenBank	7328979
AC002045	GenBank	2951945
AC002554	GenBank	3478647

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ACC NUM	DATABASE	GI NBR
AF079566	GenBank	4574148
M87338	GenBank	1590810
AB020686	GenBank	4240246
AF104923	GenBank	4680483
AC005037	GenBank	4827310
AB008390	GenBank	6045163
U16738	GenBank	608516
AL031680	GenBank	9368417
L05921	GenBank	178868
AF123887	GenBank	6272556
AL080202	GenBank	5262687
AF028832	GenBank	3287488
M58028	GenBank	340071
D89729	GenBank	2626839
D87666	GenBank	1620016
D86965	GenBank	1504003
AC004000	GenBank	2772563
D86971	GenBank	1504015
AC004460	GenBank	2981263
AL049294	GenBank	4500055
AC008040	GenBank	5922025
AC009510	GenBank	6449479
AF055012	GenBank	3005735
X01630	GenBank	28871
AC005696	GenBank	3819097
E01650	GenBank	2169903
AC004448	GenBank	3287468
AB003151	GenBank	3702678
AC006001	GenBank	5708496
AB032957	GenBank	6329818
AB006537	GenBank	3041772
AB013139	GenBank	3169124
U43286	GenBank	1815621
M22538	GenBank	986883
AC007285	GenBank	5931439
AF055982	GenBank	5918517
AB006534	GenBank	2924619
AL133059	GenBank	6453481
AC005606	GenBank	3540172
AF179633	GenBank	5823550
AE000658	GenBank	2358019
AC005041	GenBank	4508118
AL021328	GenBank	2982504
Z99129	GenBank	3281967
AC003036	GenBank	2935595
AF151878	GenBank	4929708
M12383	GenBank	180472
AB023172	GenBank	4589553
AL132665	GenBank	6137021
Z99943	GenBank	2887308
AF013759	GenBank	3153208
D29958	GenBank	473948
A25270	GenBank	825604
M55421	GenBank	432978
U03877	GenBank	458227
AF001549	GenBank	3355302

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ACC NUM	DATABASE	GI NBR
AF095593	GenBank	4572326
AB020637	GenBank	4240148
AL035461	GenBank	5123778
AB007941	GenBank	3413905
L42176	GenBank	1160931
AP000326	GenBank	4835695
AC000118	GenBank	1809227
AB028980	GenBank	5689450
AF009466	GenBank	2343144
AF151906	GenBank	4929764
U30313	GenBank	1050959
AB004788	GenBank	3184185
AL034551	GenBank	9795184
D21254	GenBank	575577
D13665	GenBank	393318
AB029000	GenBank	5689490
AF038960	GenBank	3329389
AB023155	GenBank	4589519
L11005	GenBank	438655
D13639	GenBank	285990
M14219	GenBank	181169
AL117664	GenBank	5912260
AF063002	GenBank	3859848
AB023224	GenBank	4589657
AJ008005	GenBank	4128003
AC006960	GenBank	4337211
AL034386	GenBank	4753755
AL117355	GenBank	6469348
AB020532	GenBank	6497098
J03040	GenBank	338312
A14133	GenBank	490127
U56637	GenBank	1336098
AF056087	GenBank	3033550
AF086484	GenBank	3483829
X75861	GenBank	456258
M67466	GenBank	184400
AL035306	GenBank	4200240
AB021288	GenBank	4038732
Y08915	GenBank	1877201
AC008063	GenBank	6358857
A03911	GenBank	412156
AB006679	GenBank	2342476
S69738	GenBank	545464
AB020724	GenBank	4240322
M63310	GenBank	178696
AF035289	GenBank	2661043
AF026291	GenBank	2559007
D13666	GenBank	393316
J03464	GenBank	179595
M25113	GenBank	183944
S82240	GenBank	1839516
AC007688	GenBank	5815499
AB015234	GenBank	3721857
AB000220	GenBank	3426162
X66435	GenBank	30008
M81750	GenBank	895928

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ACC NUM	DATABASE	GI NBR
L13923	GenBank	306745
AB008109	GenBank	2554613
AB024313	GenBank	5138987
M16541	GenBank	1280204
AB023234	GenBank	4589683
D16561	GenBank	468446
AC006378	GenBank	4508123
J05192	GenBank	178026
M24630	GenBank	514363
AC007115	GenBank	4895146
L35251	GenBank	786118
AL117237	GenBank	5834563
AJ223812	GenBank	2894518
M33665	GenBank	190650
D63998	GenBank	974733
AL096827	GenBank	5679536
AP000038	GenBank	3132348
D14811	GenBank	285966
AB006625	GenBank	2564321
M14083	GenBank	189566
AB019397	GenBank	3845612
AF017060	GenBank	2343153
D86961	GenBank	1503995
AL049610	GenBank	5679448
AF153609	GenBank	5231142
U73824	GenBank	1857236
AF156965	GenBank	5731112
U90441	GenBank	2439984
AF003540	GenBank	2384652
AA406124	DBEst	2064168
Z43667	DBEst	572832
AL119825	DBEst	5925724
AW051786	DBEst	5914145
AA481275	DBEst	2210827
AA070498	DBEst	1577858
AI684166	DBEst	4895460
AA604822	DBEst	2445686
AA528703	DBEst	2270772
AA317201	DBEst	1969538
AA044789	DBEst	1523057
AA404609	DBEst	2058821
AW170793	DBEst	6402318
AA161261	DBEst	1735712
N40436	DBEst	1164033
AL079803	DBEst	5435379
AI557226	DBEst	4489589
AA782770	DBEst	2842101
AI215719	DBEst	3784760
AA077599	DBEst	1837073
AA024456	DBEst	1489482
AA844230	DBEst	2930681
AA135229	DBEst	1696331
AA143022	DBEst	1712399
AA761352	DBEst	2810282
AA890032	DBEst	3016911
AA143190	DBEst	1712560

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ACC NUM	DATABASE	GI NBR
AA367451	DBEst	2019769
AA234295	DBEst	1858588
AA223159	DBEst	1843750
AW080051	DBEst	6035203
AI908442	DBEst	6499122
AI819220	DBEst	5438299
AA779398	DBEst	2838729
AI341138	DBEst	4078065
AI267492	DBEst	3886659
AA291484	DBEst	1939505
AA195015	DBEst	1784717
AA033855	DBEst	1505886
N44742	DBEst	1185908
AI795813	DBEst	5361273
AA528106	DBEst	2270175
AA033657	DBEst	1505485
AI198828	DBEst	3751434
AA315357	DBEst	1967706
AI209161	DBEst	3771103
AA768248	DBEst	2819263
AA074676	DBEst	1614603
AI267216	DBEst	3886383
AA343629	DBEst	1995868
R33917	DBEst	789775
AA429739	DBEst	2112912
AI345325	DBEst	4082531
AA868896	DBEst	2964341
AA010505	DBEst	1471601
AA291971	DBEst	1940027
AA564003	DBEst	2335642
AA293341	DBEst	1940763
AA373606	DBEst	2025926
AA053143	DBEst	1544370
AA301293	DBEst	1953645
AI149592	DBEst	3678061
AA827074	DBEst	2901071
AI216988	DBEst	3789642
AI074623	DBEst	3401267
AI762182	DBEst	5177849
AA075515	DBEst	1615385
AA172056	DBEst	1751150
D83855	DBEst	1262569
AI267720	DBEst	3886887
AI355779	DBEst	4095932
AI554274	DBEst	4486637
AI906975	DBEst	6497391
AI028131	DBEst	3245440
AI571776	DBEst	4535150
AI680930	DBEst	4891112
AA777341	DBEst	2836672
AA456610	DBEst	2179186
AA304654	DBEst	1957305
AA329973	DBEst	1982257
AA255420	DBEst	1892199
R11450	DBEst	764185
AI493522	DBEst	4394525

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ACC NUM	DATABASE	GI NBR
AI217035	DBEst	3789689
AA316480	DBEst	1968829
AI252136	DBEst	3848665
AA402679	DBEst	2056554
AA251491	DBEst	1886454
AA452664	DBEst	2166333
AI016669	DBEst	3231005
AI049783	DBEst	3298900
AI650892	DBEst	4734871
AA134266	DBEst	1691640
AA514269	DBEst	2253937
AW194103	DBEst	6472836
AI267285	DBEst	3886452
AI652079	DBEst	4736058
AA121474	DBEst	1679107
AW044114	DBEst	5904643
R96369	DBEst	982029
AA406260	DBEst	2064447
AA304301	DBEst	1956644
AA465494	DBEst	2191661
AL035877	DBEst	5927597
AA314146	DBEst	1966495
AA355196	DBEst	2007526
AI744982	DBEst	5113270
AA627743	DBEst	2539838
AA483481	DBEst	2212294
AI309917	DBEst	4004788
T06984	DBEst	318133
AA256253	DBEst	1891792
AA708672	DBEst	2718590
AA665983	DBEst	2620596
AI219803	DBEst	3802006
AI375468	DBEst	4175458
AI375468	DBEst	4175458
AA813524	DBEst	2882209
AA618437	DBEst	2505642
AA010914	DBEst	1471941
AA343753	DBEst	1995990
AA320417	DBEst	1972745
AI801940	DBEst	5367412
AA130169	DBEst	1691172
AA009925	DBEst	1470972
AA242891	DBEst	1873684
AI815432	DBEst	5430978
AF017688	DBEst	2435451
H16874	DBEst	883114
AA278737	DBEst	1920075
AW166442	DBEst	6397967
H08058	DBEst	872880
AA860220	DBEst	2954215
AI078772	DBEst	3413079
AI833097	DBEst	5455077
R19454	DBEst	773064
AA309929	DBEst	1962484
AI700750	DBEst	4988650
AI279141	DBEst	3917375

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ACC NUM	DATABASE	GI NBR
AA552037	DBEst	2322289
AA224341	DBEst	1844927
AA187148	DBEst	1775265
AA865218	DBEst	2957494
AA464792	DBEst	2189676
AA526028	DBEst	2268097
AA515690	DBEst	2255290
AA626222	DBEst	2538609
AA171821	DBEst	1750879
AA424206	DBEst	2103185
AA811499	DBEst	2881110
AA297332	DBEst	1949666
AI150623	DBEst	3679092
AA339356	DBEst	1991613
AA354704	DBEst	2007023
AA218693	DBEst	1832785
AI267612	DBEst	3886779
AA219406	DBEst	1833498
AA902117	DBEst	3037307
AA393164	DBEst	2046134
D62142	DBEst	965918
AA037216	DBEst	1512395
AW247207	DBEst	6590200
AA974418	DBEst	3149598
AA447559	DBEst	2161229
AW021628	DBEst	5875158
AI431329	DBEst	4302424
AA284393	DBEst	1928744
AA769837	DBEst	2821075
AI735387	DBEst	5056911
AA236888	DBEst	1860982
AA394311	DBEst	2046088
AI267185	DBEst	3886352
AA334242	DBEst	1986506
AA304432	DBEst	1956765
AA479303	DBEst	2207859
AA442475	DBEst	2154353
AI267162	DBEst	3886329
AA011382	DBEst	1472408
AA424131	DBEst	2103101
AA434243	DBEst	2139157
AI267425	DBEst	3886592
AA157459	DBEst	1729066
AA644697	DBEst	2569915
AI026859	DBEst	3246347
AA284425	DBEst	1928705
AA465386	DBEst	2191553
AI275175	DBEst	3897449
AA358352	DBEst	2010690
AA293572	DBEst	1941239
AA150369	DBEst	1721900
AA651628	DBEst	2583280
AA216367	DBEst	1816302
AA075632	DBEst	1615502
AI813971	DBEst	5425186
AW020413	DBEst	5873943

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ACC NUM	DATABASE	GI NBR
AA630545	DBEst	2553156
AA730678	DBEst	2751882
AA572766	DBEst	2347294
AA078859	DBEst	1617950
AI253335	DBEst	3850456
AA935181	DBEst	3092338
AA398704	DBEst	2051817
AA564224	DBEst	2335863
AI744435	DBEst	5112723
AI884510	DBEst	5589674
AA225282	DBEst	1846590
AA252109	DBEst	1887282
N79647	DBEst	1242348
AA527538	DBEst	2269607
AI267282	DBEst	3886449
AI684991	DBEst	4896285
AA643416	DBEst	2568634
AI114680	DBEst	6360025
AW071349	DBEst	6026347
AI241409	DBEst	3836806
AA464824	DBEst	2189708
AI312542	DBEst	4018147
AA102383	DBEst	1647229
AI435298	DBEst	4302202
AA339240	DBEst	1991592
AA412501	DBEst	2071071
AI267454	DBEst	3886621
AI267576	DBEst	3886743
AA311304	DBEst	1963643
AA490463	DBEst	2219636
AA460658	DBEst	2185778
AA810974	DBEst	2880585
AA810760	DBEst	2880371
AA132126	DBEst	1693618
AA031509	DBEst	1501463
AA307669	DBEst	1959998
AA813168	DBEst	2883153
AI088846	DBEst	3427905
AI253379	DBEst	3850500
AA236812	DBEst	1860914
AI275707	DBEst	3897981
AA033529	DBEst	1505531
AA055152	DBEst	1547500
AA927670	DBEst	3076490
AL037456	DBEst	5928118
AA069771	DBEst	1577139
AA204905	DBEst	1802895
AA994667	DBEst	3181156
W81657	DBEst	1392285
AA045319	DBEst	1523521
AA558919	DBEst	2329686
AA911125	DBEst	3050415
AA228352	DBEst	1849962
AI267664	DBEst	3886831
AA770006	DBEst	2821244
AA933736	DBEst	3090004

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ACC NUM	DATABASE	GI NBR
AA085443	DBEst	1628673
AA136796	DBEst	1698169
AI096609	DBEst	3446103
AA448542	DBEst	2162212
AA876526	DBEst	2985603
AA318185	DBEst	1970511
AI302808	DBEst	3962154
AW135330	DBEst	6139463
N59374	DBEst	1203264
AA397822	DBEst	2051030
AA824398	DBEst	2896282
AA126693	DBEst	1686230
AA053658	DBEst	1544585
W39518	DBEst	1321226
AI672191	DBEst	4851922
AI906427	DBEst	6496814
R31273	DBEst	787116
AA625905	DBEst	2538292
AI681786	DBEst	4891968
AA100195	DBEst	1646472
AA021544	DBEst	1485428
AI630536	DBEst	4681866
AA573778	DBEst	2348293
AA114244	DBEst	1668155
AI446615	DBEst	4296450
AA514289	DBEst	2253797
AA167382	DBEst	1745759
AA962252	DBEst	3134416
AA186873	DBEst	1775008
AA310156	DBEst	1962504
R67118	DBEst	839756
AA099424	DBEst	1646266
AI253330	DBEst	3850451
AI028681	DBEst	3245990
AI079304	DBEst	3415555
R71533	DBEst	845050
R58421	DBEst	828479
AA827331	DBEst	2899772
AI424555	DBEst	4270486
AA305531	DBEst	1957856
AI366380	DBEst	4126069
AI366380	DBEst	4126069
AI740874	DBEst	5109162
AA209340	DBEst	1807354
AA164585	DBEst	1740753
AI799502	DBEst	5364974
AA229837	DBEst	1852150
AI097571	DBEst	3447153
AL133892	DBEst	6602079
AI630193	DBEst	4681523
AA564659	DBEst	2336298
AA281666	DBEst	1924411
AA037554	DBEst	1512654
AI207618	DBEst	6361632
AI609604	DBEst	4618771
AA579613	DBEst	2357797

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ACC NUM	DATABASE	GI NBR
AA165632	DBEst	1741665
AA444131	DBEst	2156806
AA149691	DBEst	1720633
AW102841	DBEst	6073454
AA781544	DBEst	2840875
AA829752	DBEst	2902851
AA366995	DBEst	2019354
AA454909	DBEst	2177685
AI264159	DBEst	3872362
AA352493	DBEst	2004812
AA232172	DBEst	1855527
AA459527	DBEst	2184434
AI183621	DBEst	3734259
AA394288	DBEst	2047273
AA769484	DBEst	2820722
AW134828	DBEst	6138374
AA115212	DBEst	1669940
AA524748	DBEst	2265676
AA534377	DBEst	2278630
AA133721	DBEst	1690707
AI214281	DBEst	3777882
AA868846	DBEst	2964291
AI139126	DBEst	3645098
AA436472	DBEst	2141386
AI148251	DBEst	3675933
AA419552	DBEst	2079280
AI216969	DBEst	3789623
AA442844	DBEst	2155519
AA514991	DBEst	2254591
AA035568	DBEst	1507226
AA430088	DBEst	2113325
AW027979	DBEst	5886735
AI057010	DBEst	3330799
AA506656	DBEst	2242803
AA046864	DBEst	1524763
AA653506	DBEst	2589677
AA131678	DBEst	1693369
AI634524	DBEst	4685854
AI031811	DBEst	3250023
AI499418	DBEst	4391400
AA297402	DBEst	1949735
AI305838	DBEst	3988967
AA633313	DBEst	2556727
AA535454	DBEst	2279707
AA772321	DBEst	2824104
AI984506	DBEst	5811783
AA740409	DBEst	2779001
AI498191	DBEst	4390173
AA151006	DBEst	1722517
AA057583	DBEst	1550223
AI267349	DBEst	3886516
AA479629	DBEst	2205515
AI267573	DBEst	3886740
AA764981	DBEst	2816219
AA340986	DBEst	1993223
AI493573	DBEst	4394576

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ACC NUM	DATABASE	GI NBR
AA166631	DBEst	1745095
AI393326	DBEst	4222873
AA044660	DBEst	1523040
AA192483	DBEst	1781722
AI828699	DBEst	5449370
AA214737	DBEst	1814453
AW248302	DBEst	6591295
AA047052	DBEst	1524950
AA814576	DBEst	2884172
AA043481	DBEst	1521337
AA256591	DBEst	1892130
AI087862	DBEst	3426895
AA101044	DBEst	1647565
AA371367	DBEst	2023685
AA513171	DBEst	2251583
AA545726	DBEst	2307096
AA810875	DBEst	2880486
AI693146	DBEst	4970486
AA680070	DBEst	2656537
AI273509	DBEst	3895777
AA070512	DBEst	1578009
AW081346	DBEst	6036498
AA411369	DBEst	2068901
AW028647	DBEst	5887403
AA353335	DBEst	2005654
AA484712	DBEst	2211506
AA033520	DBEst	1505366
AA453239	DBEst	2166908
AA029874	DBEst	1496101
AA971538	DBEst	3146828
AI188641	DBEst	3739850
AI378238	DBEst	4188091
AI284462	DBEst	3922695
AI918292	DBEst	5638147
AW328371	DBEst	6798867
AI833163	DBEst	5455143
AI139897	DBEst	3645869
AA171424	DBEst	1750751
AA058478	DBEst	1551348
AA744699	DBEst	2783463
AA421795	DBEst	2100645
R85997	DBEst	944403
AA764902	DBEst	2816140
AA554452	DBEst	2324991
H94882	DBEst	1102515
AA424461	DBEst	2103449
AI138510	DBEst	3644482
AA527448	DBEst	2269517
AA872040	DBEst	2968078
AA446064	DBEst	2158729
AA150780	DBEst	1722338
AI339783	DBEst	4076710
AA360707	DBEst	2013027
AA678648	DBEst	2659170
AA171844	DBEst	1751098
AI114651	DBEst	6359996

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ACC NUM	DATABASE	GI NBR
AA034100	DBEst	1505927
AA115512	DBEst	1669972
AA664986	DBEst	2619599
AI267254	DBEst	3886421
AA428329	DBEst	2110194
AA040478	DBEst	1516774
AA005407	DBEst	1447869
AA514234	DBEst	2253902
AI346653	DBEst	4083859
N92184	DBEst	1264493
AA127628	DBEst	1686981
AI014369	DBEst	3228750
AI174824	DBEst	6361217
AA308454	DBEst	1960782
AA046572	DBEst	1524488
AI630282	DBEst	4681612
AI251752	DBEst	3848281
AA621235	DBEst	2525174
AA722200	DBEst	2739907
AI811548	DBEst	5398114
AI094382	DBEst	3433358
AA436486	DBEst	2141400
AW004018	DBEst	5850934
AA001144	DBEst	1437426
AA187408	DBEst	1773600
AA128259	DBEst	1688380
C17037	DBEst	1571744
AA628074	DBEst	2540073
AA861930	DBEst	2952554
AI500553	DBEst	4392535
N70663	DBEst	1227243
AI337979	DBEst	4074906
C18743	DBEst	1580345
AA641623	DBEst	2566841
AA626503	DBEst	2538890
AA044586	DBEst	1522977
AA166853	DBEst	1745071
AI085388	DBEst	3423811
AA931228	DBEst	3085614
AA416946	DBEst	2076992
AA658330	DBEst	2594484
AA532731	DBEst	2278307
AA868187	DBEst	2963632
AA056033	DBEst	1548372
AI089452	DBEst	3428511
AA587366	DBEst	2398180
W76437	DBEst	1386662
AA703930	DBEst	2713848
AI985740	DBEst	5813017
AI984774	DBEst	5812051
AI872145	DBEst	5546194
AI929113	DBEst	5665077
AI567103	DBEst	4525555
AI064691	DBEst	6358963
AW022656	DBEst	5876186
AA610472	DBEst	2458900

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ACC NUM	DATABASE	GI NBR
AA074242	DBEst	1614128
AA663188	DBEst	2617179
AL121384	DBEst	5927385
AA147887	DBEst	1717513
AA193340	DBEst	1782930
AA018530	DBEst	1481785
AA372230	DBEst	2024568
F33160	DBEst	4818786
AI253436	DBEst	3850391
AI638175	DBEst	4690409
AA877769	DBEst	2986734
AA852087	DBEst	2940680
AI753350	DBEst	5131614
AA464338	DBEst	2189222
AA489032	DBEst	2218634
AA373962	DBEst	2026402
AA333390	DBEst	1985633
AA346113	DBEst	1998666
AA280221	DBEst	1921759
AA114968	DBEst	1670183
AA036944	DBEst	1510001
AI267499	DBEst	3886666
AI018073	DBEst	3232409
AA703779	DBEst	2713697
T94830	DBEst	728318
X33812	N/A	N/A
Z08790	N/A	N/A
V02802	N/A	N/A
Z33949	DBEst	
X87192	GenBank	1061122
Z16800	GenBank	23379
X90855	GenBank	7572939
X35727	N/A	N/A
V40524	N/A	N/A
AC35182	N/A	N/A
AC34190	N/A	N/A
AC32793	N/A	N/A
AC34472	N/A	N/A
AC36789	N/A	N/A
AC36807	N/A	N/A
AC36392	N/A	N/A
AC36185	N/A	N/A
AC36187	N/A	N/A
AC36179	N/A	N/A
AC33905	N/A	N/A
A12027	GenBank	490102
A21185	GenBank	579591
A42048	GenBank	2297542
A64377	GenBank	3717808
AB000712	GenBank	2570124
AB001106	GenBank	1850083
AB001601	GenBank	3107912
AB002332	GenBank	2224608
AB002333	GenBank	2224610
AB002349	GenBank	2224642
AB002387	GenBank	2224718

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ACC NUM	DATABASE	GI NBR
AB003102	GenBank	1945608
AB003151	GenBank	3702678
AB003333	GenBank	3970828
AB003698	GenBank	2102636
AB003730	GenBank	2627128
AB004066	GenBank	2308996
AB004857	GenBank	2911111
AB005543	GenBank	2967445
AB005659	GenBank	2554609
AB006534	GenBank	2924619
AB006572	GenBank	3970832
AB006624	GenBank	2564319
AB007163	GenBank	3077758
AB007856	GenBank	2662072
AB007860	GenBank	2662080
AB007888	GenBank	2887430
AB007896	GenBank	2662152
AB007930	GenBank	3413883
AB007940	GenBank	3413903
AB007945	GenBank	3413913
AB007957	GenBank	3413931
AB007969	GenBank	3413944
AB008164	GenBank	3149949
AB008430	GenBank	2766164
AB009285	GenBank	3341898
AB009356	GenBank	2924623
AB010874	GenBank	3298434
AB011089	GenBank	3043557
AB011100	GenBank	6683714
AB011108	GenBank	3043595
AB011125	GenBank	3043629
AB011164	GenBank	3043707
AB011165	GenBank	3043709
AB011169	GenBank	3043717
AB011540	GenBank	3449305
AB013139	GenBank	3169124
AB013382	GenBank	3869139
AB014517	GenBank	3327047
AB014522	GenBank	3327057
AB014531	GenBank	3327075
AB014536	GenBank	3327085
AB014551	GenBank	6635128
AB014563	GenBank	3327139
AB014579	GenBank	3327171
AB015335	GenBank	6526775
AB015348	GenBank	3970877
AB015639	GenBank	5821139
AB015907	GenBank	4218063
AB015982	GenBank	5926628
AB016488	GenBank	3721887
AB017018	GenBank	4512253
AB017563	GenBank	4519600
AB017710	GenBank	5821114
AB018262	GenBank	3882158
AB018266	GenBank	3882166
AB018285	GenBank	3882204

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ACC NUM	DATABASE	GI NBR
AB018305	GenBank	3882244
AB018319	GenBank	3882272
AB018322	GenBank	3882278
AB018329	GenBank	3882292
AB018340	GenBank	3882314
AB018353	GenBank	3882340
AB019246	GenBank	3810966
AB019397	GenBank	3845612
AB019568	GenBank	3885371
AB019691	GenBank	5051742
AB019987	GenBank	4092845
AB020627	GenBank	4240125
AB020657	GenBank	4240188
AB020680	GenBank	4240234
AB020689	GenBank	4240252
AB020692	GenBank	4240258
AB020717	GenBank	4240308
AB020863	GenBank	4003383
AB020864	GenBank	4003384
AB020867	GenBank	4003387
AB020980	GenBank	6467174
AB020981	GenBank	4996287
AB020982	GenBank	4417209
AB021288	GenBank	4038732
AB022017	GenBank	4115828
AB022663	GenBank	5019617
AB023050	GenBank	5672605
AB023051	GenBank	5672606
AB023158	GenBank	4589525
AB023163	GenBank	4589535
AB023222	GenBank	4589653
AB023227	GenBank	4589669
AB025904	GenBank	6009639
AB026723	GenBank	5931601
AB026898	GenBank	4835382
AB027467	GenBank	6172222
AB028893	GenBank	6552364
AB028942	GenBank	5689368
AB028945	GenBank	5689380
AB028956	GenBank	5689402
AB029003	GenBank	5689496
AB029005	GenBank	5689500
AB029025	GenBank	5689540
AB030905	GenBank	5732186
AB032253	GenBank	6683495
AB032255	GenBank	6683499
AB032945	GenBank	6329707
AB032951	GenBank	6329748
AB032975	GenBank	6330044
AB032983	GenBank	6330128
AB032988	GenBank	6330164
AB033034	GenBank	6382021
AB033042	GenBank	6330568
AB033058	GenBank	6330721
AB033075	GenBank	6330853
AB033076	GenBank	6330860

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ACC NUM	DATABASE	GI NBR
AB033078	GenBank	6330873
AB033080	GenBank	6330892
AB033084	GenBank	6330925
AC000015	GenBank	4263638
AC000024	GenBank	2995601
AC000048	GenBank	5882760
AC000353	GenBank	6970735
AC000394	GenBank	2133911
AC000403	GenBank	2133864
AC001226	GenBank	2133862
AC002039	GenBank	2342716
AC002041	GenBank	2576343
AC002060	GenBank	7143420
AC002064	GenBank	2076723
AC002067	GenBank	2076720
AC002076	GenBank	2078461
AC002309	GenBank	7143426
AC002377	GenBank	2275192
AC002379	GenBank	2275190
AC002381	GenBank	2275186
AC002404	GenBank	2329922
AC002420	GenBank	2822134
AC002458	GenBank	2337871
AC002460	GenBank	2337869
AC002467	GenBank	2337860
AC002476	GenBank	2340101
AC002477	GenBank	2341021
AC002480	GenBank	2340098
AC002543	GenBank	3645947
AC002558	GenBank	2580474
AC003002	GenBank	2494139
AC003007	GenBank	2911728
AC003037	GenBank	2920805
AC003041	GenBank	3264572
AC003663	GenBank	3097871
AC003665	GenBank	3808091
AC003688	GenBank	3789719
AC003693	GenBank	3687269
AC003983	GenBank	2769694
AC004003	GenBank	2772557
AC004016	GenBank	2781374
AC004022	GenBank	3598727
AC004032	GenBank	5032329
AC004054	GenBank	3298531
AC004080	GenBank	2822164
AC004130	GenBank	2842785
AC004131	GenBank	3342217
AC004222	GenBank	3108042
AC004236	GenBank	2914668
AC004262	GenBank	2935596
AC004383	GenBank	2944111
AC004452	GenBank	2979602
AC004456	GenBank	2979597
AC004457	GenBank	2979596
AC004499	GenBank	2996641
AC004504	GenBank	2996634

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ACC NUM	DATABASE	GI NBR
AC004510	GenBank	2996651
AC004520	GenBank	3004572
AC004523	GenBank	3012096
AC004526	GenBank	3779035
AC004542	GenBank	3041846
AC004551	GenBank	3309005
AC004587	GenBank	3150014
AC004616	GenBank	3264544
AC004636	GenBank	3094991
AC004664	GenBank	4210503
AC004686	GenBank	3688105
AC004707	GenBank	3249127
AC004772	GenBank	3582347
AC004797	GenBank	3492891
AC004816	GenBank	4156209
AC004836	GenBank	4508152
AC004879	GenBank	3419855
AC004904	GenBank	4156180
AC004912	GenBank	4156178
AC004918	GenBank	4153871
AC004924	GenBank	4263741
AC004943	GenBank	3924671
AC004955	GenBank	4753267
AC004961	GenBank	5001540
AC005007	GenBank	4156151
AC005034	GenBank	3947437
AC005046	GenBank	6094632
AC005065	GenBank	4153861
AC005072	GenBank	4508111
AC005095	GenBank	4753220
AC005104	GenBank	4218027
AC005210	GenBank	6249673
AC005237	GenBank	6094635
AC005253	GenBank	3288886
AC005261	GenBank	3289984
AC005271	GenBank	3293212
AC005291	GenBank	3402737
AC005296	GenBank	3928041
AC005325	GenBank	3366581
AC005366	GenBank	3367508
AC005383	GenBank	3818355
AC005488	GenBank	5836194
AC005538	GenBank	4508129
AC005546	GenBank	3478635
AC005550	GenBank	3478668
AC005598	GenBank	4589944
AC005601	GenBank	3522917
AC005669	GenBank	3702356
AC005682	GenBank	5757537
AC005726	GenBank	3810672
AC005730	GenBank	3779042
AC005740	GenBank	3687210
AC005832	GenBank	4165004
AC005859	GenBank	3928029
AC005871	GenBank	6249681
AC005877	GenBank	6249671

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ACC NUM	DATABASE	GI NBR
AC005924	GenBank	4309926
AC005993	GenBank	4309961
AC005996	GenBank	4309892
AC006006	GenBank	4753279
AC006010	GenBank	4753277
AC006011	GenBank	4508143
AC006026	GenBank	6042101
AC006031	GenBank	4309811
AC006047	GenBank	3924651
AC006059	GenBank	4544348
AC006064	GenBank	4572650
AC006121	GenBank	4062176
AC006137	GenBank	3970959
AC006146	GenBank	5836157
AC006160	GenBank	5701616
AC006238	GenBank	4204704
AC006254	GenBank	4726099
AC006332	GenBank	6358848
AC006359	GenBank	4753263
AC006449	GenBank	6102666
AC006454	GenBank	5732182
AC006474	GenBank	4454627
AC006475	GenBank	4753283
AC006479	GenBank	6358868
AC006509	GenBank	5815507
AC006529	GenBank	4225932
AC006536	GenBank	4235135
AC006950	GenBank	4321125
AC007001	GenBank	4753230
AC007055	GenBank	4885691
AC007057	GenBank	4680440
AC007068	GenBank	4926862
AC007172	GenBank	4731066
AC007182	GenBank	5708446
AC007199	GenBank	4558768
AC007254	GenBank	6560919
AC007281	GenBank	4926893
AC007304	GenBank	5296072
AC007312	GenBank	4586080
AC007401	GenBank	6560920
AC007461	GenBank	4996920
AC007537	GenBank	4914348
AC007541	GenBank	4982536
AC007637	GenBank	8439781
AC007655	GenBank	4895153
AC007676	GenBank	6984492
AC007688	GenBank	5815499
AC007786	GenBank	5042401
AC007877	GenBank	5732163
AC007878	GenBank	5732161
AC007938	GenBank	5306288
AC007970	GenBank	5836168
AC008018	GenBank	7958973
AC008040	GenBank	5922025
AC008123	GenBank	6006046
AC009044	GenBank	6850298

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ACC NUM	DATABASE	GI NBR
AC009464	GenBank	6492471
AC009509	GenBank	6492473
AC009514	GenBank	6016667
AC009731	GenBank	6492472
AC010197	GenBank	6143841
AC010202	GenBank	6598666
AC010209	GenBank	6648135
AC010382	GenBank	6850297
AC010478	GenBank	7019612
AC012085	GenBank	6634755
AC016138	GenBank	7021552
AF000145	GenBank	3095031
AF000231	GenBank	2149974
AF000364	GenBank	2697102
AF000367	GenBank	2662416
AF000974	GenBank	2232135
AF000982	GenBank	2580549
AF002246	GenBank	2190957
AF002672	GenBank	2190973
AF002985	GenBank	2580585
AF004339	GenBank	2245559
AF004341	GenBank	2245563
AF004713	GenBank	6649850
AF006083	GenBank	2282031
AF006386	GenBank	2352533
AF007153	GenBank	2852633
AF007791	GenBank	3779196
AF008442	GenBank	2266928
AF011387	GenBank	2654605
AF012126	GenBank	2832227
AF013758	GenBank	3046899
AF014955	GenBank	2772828
AF016052	GenBank	2394173
AF016270	GenBank	2655005
AF017305	GenBank	2656140
AF019226	GenBank	3406426
AF020038	GenBank	3641397
AF020351	GenBank	2655052
AF020797	GenBank	9256827
AF021351	GenBank	2460207
AF021819	GenBank	2460317
AF022108	GenBank	2736148
AF022211	GenBank	2465723
AF023611	GenBank	2565274
AF023674	GenBank	2460116
AF025440	GenBank	2815607
AF025441	GenBank	2815609
AF026445	GenBank	2739086
AF028832	GenBank	3287488
AF029786	GenBank	3403166
AF029890	GenBank	2745882
AF030555	GenBank	3158350
AF033095	GenBank	2645728
AF035191	GenBank	4104352
AF035286	GenBank	2661038
AF035289	GenBank	2661043

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ACC NUM	DATABASE	GI NBR
AF035374	GenBank	2665702
AF036130	GenBank	3510533
AF038042	GenBank	2828066
AF039023	GenBank	3064244
AF039693	GenBank	3170185
AF039701	GenBank	3170201
AF041259	GenBank	3335396
AF042385	GenBank	2828148
AF042729	GenBank	7770717
AF042838	GenBank	2815887
AF043325	GenBank	3005064
AF044195	GenBank	3757821
AF045167	GenBank	2865608
AF046001	GenBank	2895869
AF046059	GenBank	4105471
AF047434	GenBank	2911481
AF048693	GenBank	3170416
AF050175	GenBank	4105818
AF051850	GenBank	2947317
AF052105	GenBank	3360412
AF052124	GenBank	3360431
AF052153	GenBank	3360463
AF052577	GenBank	3493208
AF053470	GenBank	2982365
AF054183	GenBank	4092053
AF054838	GenBank	2997740
AF054988	GenBank	3005699
AF054990	GenBank	3005703
AF055473	GenBank	nil
AF055474	GenBank	nil
AF055475	GenBank	nil
AF056087	GenBank	3033550
AF057160	GenBank	3694919
AF057352	GenBank	4883680
AF059195	GenBank	3068762
AF060219	GenBank	3789798
AF061337	GenBank	3523149
AF062323	GenBank	3152824
AF064257	GenBank	5881960
AF065388	GenBank	3152700
AF067724	GenBank	3220238
AF067817	GenBank	3928846
AF067844	GenBank	4240386
AF068235	GenBank	4321975
AF068754	GenBank	3283408
AF069532	GenBank	3892190
AF070559	GenBank	3387926
AF070609	GenBank	3387991
AF070634	GenBank	3283903
AF070640	GenBank	3283913
AF070646	GenBank	3283920
AF070655	GenBank	4454685
AF070672	GenBank	3978239
AF071219	GenBank	3288867
AF071747	GenBank	3869314
AF074000	GenBank	5577965

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ACC NUM	DATABASE	GI NBR
AF077036	GenBank	4689119
AF077045	GenBank	4689137
AF077202	GenBank	4679017
AF077207	GenBank	4679027
AF078855	GenBank	5531824
AF078858	GenBank	5531830
AF081259	GenBank	4558757
AF081282	GenBank	4336324
AF081484	GenBank	3420928
AF082283	GenBank	4092066
AF083106	GenBank	7555470
AF083243	GenBank	5106780
AF083441	GenBank	5813822
AF084457	GenBank	5257006
AF085357	GenBank	5114048
AF085359	GenBank	5114052
AF085833	GenBank	3483147
AF085844	GenBank	3483158
AF085947	GenBank	3483292
AF085986	GenBank	3483331
AF086080	GenBank	3483425
AF086311	GenBank	3483656
AF086435	GenBank	3483780
AF087150	GenBank	3869370
AF087481	GenBank	4322487
AF087660	GenBank	4567041
AF089744	GenBank	4154282
AF089747	GenBank	4165889
AF090900	GenBank	6690176
AF091035	GenBank	6002584
AF091086	GenBank	3860009
AF093249	GenBank	6560609
AF097354	GenBank	4808620
AF097535	GenBank	6165619
AF100759	GenBank	5410303
AF100781	GenBank	4028584
AF102546	GenBank	6014456
AF102803	GenBank	4092759
AF103803	GenBank	6048973
AF107405	GenBank	5531903
AF107406	GenBank	5531905
AF107885	GenBank	3928926
AF109718	GenBank	3978547
AF109872	GenBank	4028621
AF110647	GenBank	5730483
AF112213	GenBank	6563213
AF112217	GenBank	6563221
AF112972	GenBank	4151943
AF113015	GenBank	6642753
AF113016	GenBank	6642755
AF113534	GenBank	6523822
AF113544	GenBank	6606155
AF113680	GenBank	6855605
AF113701	GenBank	6855635
AF113702	GenBank	6855636
AF117228	GenBank	4731295

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ACC NUM	DATABASE	GI NBR
AF117231	GenBank	6563235
AF117829	GenBank	4151947
AF118088	GenBank	6650821
AF123303	GenBank	6841065
AF126962	GenBank	6469610
AF131738	GenBank	4406548
AF131771	GenBank	4406595
AF131807	GenBank	4406639
AF131836	GenBank	4406675
AF131838	GenBank	4406677
AF131858	GenBank	4406705
AF132856	GenBank	4809025
AF132939	GenBank	4680648
AF133426	GenBank	6434905
AF134213	GenBank	6693823
AF134726	GenBank	4529886
AF139065	GenBank	6635330
AF139131	GenBank	4680380
AF141346	GenBank	5031292
AF141347	GenBank	4929133
AF144755	GenBank	5006628
AF145477	GenBank	6910964
AF146796	GenBank	6910977
AF147204	GenBank	6002763
AF147339	GenBank	4761690
AF147398	GenBank	4761749
AF151028	GenBank	7106777
AF151059	GenBank	7106839
AF151078	GenBank	7106877
AF151109	GenBank	6166337
AF151538	GenBank	6288762
AF151861	GenBank	4929674
AF151865	GenBank	4929682
AF151884	GenBank	4929720
AF151889	GenBank	4929730
AF151902	GenBank	4929756
AF153274	GenBank	5932031
AF155115	GenBank	5360124
AF156160	GenBank	5070703
AF161457	GenBank	6841327
AF161553	GenBank	6841373
AF166330	GenBank	6647292
AF168132	GenBank	6635352
AF174496	GenBank	7108914
AF176642	GenBank	6935100
AF176700	GenBank	6103638
AF178030	GenBank	6539738
AF181071	GenBank	6580978
AF191298	GenBank	7656642
AF193795	GenBank	6164954
AF195120	GenBank	6110609
AF195765	GenBank	7012713
AF201077	GenBank	6456748
AF203815	GenBank	6979641
AF203978	GenBank	6503203
AF205588	GenBank	6531675

TABLE 6-1

ACC NUM	DATABASE	GI NBR
AF205598	GenBank	6581090
AF205600	GenBank	6581094
AF216381	GenBank	7107349
AF227899	GenBank	7110492
AJ000097	GenBank	3928168
AJ000186	GenBank	2463195
AJ000334	GenBank	2764504
AJ001548	GenBank	6688314
AJ002744	GenBank	6318185
AJ005578	GenBank	3090420
AJ005698	GenBank	3776075
AJ005897	GenBank	3114827
AJ010046	GenBank	4127946
AJ010442	GenBank	3954884
AJ010597	GenBank	3559873
AJ012375	GenBank	4468342
AJ132440	GenBank	4902723
AJ236885	GenBank	4454256
AJ237744	GenBank	5830371
AJ243213	GenBank	6900061
AJ243706	GenBank	6572290
AJ249731	GenBank	5921469
AJ250865	GenBank	6688221
AJ251881	GenBank	6900087
AK000055	GenBank	7019890
AK000075	GenBank	7019926
AK000118	GenBank	7019997
AK000121	GenBank	7020001
AK000128	GenBank	7020011
AK000164	GenBank	7020072
AK000168	GenBank	7020079
AK000177	GenBank	7020091
AK000338	GenBank	7020355
AK000349	GenBank	7020374
AK000351	GenBank	7020378
AK000375	GenBank	7020421
AK000398	GenBank	7020459
AK000399	GenBank	7020461
AK000403	GenBank	7020467
AK000464	GenBank	7020570
AK000487	GenBank	7020609
AK000631	GenBank	7020850
AK000639	GenBank	7020863
AK000712	GenBank	7020971
AK000737	GenBank	7021010
AK000745	GenBank	7021025
AK000790	GenBank	7021092
AK000866	GenBank	7021190
AK000933	GenBank	7021908
AK000970	GenBank	7021963
AK001021	GenBank	7022037
AK001163	GenBank	7022244
AK001188	GenBank	7022286
AK001197	GenBank	7022299
AK001229	GenBank	7022353
AK001268	GenBank	7022416

TABLE 6-1

ACC NUM	DATABASE	GI NBR
AK001313	GenBank	7022490
AK001324	GenBank	7022509
AK001328	GenBank	7022517
AK001348	GenBank	7022550
AK001363	GenBank	7022575
AK001385	GenBank	7022612
AK001395	GenBank	7022625
AK001410	GenBank	7022649
AK001429	GenBank	7022680
AK001437	GenBank	7022693
AK001518	GenBank	7022823
AK001521	GenBank	7022828
AK001536	GenBank	7022851
AK001542	GenBank	7022860
AK001563	GenBank	7022891
AK001598	GenBank	7022949
AK001680	GenBank	7023088
AK001697	GenBank	7023117
AK001716	GenBank	7023150
AK001733	GenBank	7023177
AK001757	GenBank	7023222
AK001921	GenBank	7023484
AK001927	GenBank	7023494
AK002038	GenBank	7023677
AK002046	GenBank	7023689
AK002077	GenBank	7023740
AK002173	GenBank	7023889
AK002177	GenBank	7023895
AK002206	GenBank	7023937
AL008627	GenBank	2769539
AL008718	GenBank	6006479
AL021026	GenBank	3171875
AL021068	GenBank	3115982
AL021407	GenBank	2982498
AL021546	GenBank	2826890
AL022069	GenBank	3256174
AL022101	GenBank	3171895
AL022240	GenBank	4826471
AL022329	GenBank	5002625
AL022345	GenBank	6562625
AL022394	GenBank	9581758
AL022398	GenBank	3355547
AL022401	GenBank	3059060
AL023582	GenBank	3805923
AL023754	GenBank	4007152
AL031177	GenBank	4071056
AL031274	GenBank	3421083
AL031290	GenBank	3550114
AL031297	GenBank	4902714
AL031320	GenBank	5457169
AL031387	GenBank	4493578
AL031659	GenBank	9581755
AL031670	GenBank	4469083
AL031672	GenBank	4775625
AL031681	GenBank	9408729
AL031775	GenBank	4071041

TABLE 6-1

ACC NUM	DATABASE	GI NBR
AL033531	GenBank	6807582
AL033538	GenBank	4165236
AL034344	GenBank	6624640
AL034379	GenBank	5918013
AL034410	GenBank	4678510
AL034549	GenBank	9795176
AL034551	GenBank	9795184
AL034553	GenBank	5419653
AL034555	GenBank	4455444
AL034582	GenBank	5830348
AL035079	GenBank	4775614
AL035209	GenBank	4160217
AL035411	GenBank	6136940
AL035447	GenBank	9408719
AL035455	GenBank	9581749
AL035530	GenBank	5918320
AL035594	GenBank	4775623
AL035652	GenBank	9650702
AL035653	GenBank	5764011
AL035658	GenBank	4775634
AL035683	GenBank	7288039
AL035701	GenBank	5679754
AL049198	GenBank	4808248
AL049219	GenBank	4499949
AL049313	GenBank	4500086
AL049381	GenBank	4500168
AL049397	GenBank	4500188
AL049442	GenBank	4500222
AL049466	GenBank	4500260
AL049538	GenBank	5420243
AL049540	GenBank	5441688
AL049552	GenBank	6010194
AL049564	GenBank	4902757
AL049646	GenBank	9368462
AL049692	GenBank	6165349
AL049696	GenBank	5931893
AL049709	GenBank	9368454
AL049795	GenBank	6010175
AL049799	GenBank	4775328
AL049839	GenBank	7009578
AL049940	GenBank	4884183
AL049951	GenBank	4884198
AL050035	GenBank	4884276
AL050051	GenBank	4884099
AL050084	GenBank	4884318
AL050089	GenBank	4884107
AL050168	GenBank	4884382
AL050169	GenBank	4884163
AL050204	GenBank	4884443
AL050215	GenBank	4884454
AL050265	GenBank	4886440
AL050268	GenBank	4886442
AL050337	GenBank	5419821
AL050341	GenBank	5791509
AL078463	GenBank	5777575
AL078471	GenBank	5441401

TABLE 6-1

ACC NUM	DATABASE	GI NBR
AL079304	GenBank	8176897
AL080097	GenBank	5262519
AL080110	GenBank	5262537
AL080186	GenBank	5262664
AL080242	GenBank	5911841
AL080243	GenBank	5870622
AL080250	GenBank	5804917
AL080277	GenBank	5738683
AL080317	GenBank	5830430
AL096678	GenBank	5912558
AL096710	GenBank	5738652
AL096734	GenBank	5419867
AL096752	GenBank	5419888
AL096773	GenBank	5918011
AL096801	GenBank	6478163
AL109613	GenBank	6136931
AL109627	GenBank	6742145
AL109628	GenBank	8176898
AL109939	GenBank	6523730
AL110153	GenBank	5817055
AL110180	GenBank	5817090
AL110240	GenBank	5817184
AL110241	GenBank	5817186
AL110242	GenBank	5817188
AL110265	GenBank	5817229
AL117354	GenBank	6822199
AL117412	GenBank	5912102
AL117441	GenBank	5911883
AL117463	GenBank	5911925
AL117516	GenBank	5912031
AL117572	GenBank	5912124
AL117596	GenBank	5912164
AL117621	GenBank	5912202
AL117644	GenBank	5912234
AL117648	GenBank	5912240
AL117666	GenBank	5912264
AL121588	GenBank	9581781
AL121694	GenBank	6318179
AL121778	GenBank	9650809
AL121934	GenBank	9795199
AL122084	GenBank	6102892
AL122088	GenBank	6102898
AL132986	GenBank	7159620
AL133049	GenBank	6453464
AL133050	GenBank	6453466
AL133078	GenBank	6453522
AL133246	GenBank	7594587
AL133580	GenBank	6599163
AL133600	GenBank	6599205
AL133615	GenBank	6599228
AL133661	GenBank	6599254
AL135744	GenBank	6682291
AL136295	GenBank	6850939
AL136543	GenBank	6807646
AL136702	GenBank	6807654
AL137100	GenBank	6983534

TABLE 6-1

ACC NUM	DATABASE	GI NBR
AL137191	GenBank	8217922
AL137257	GenBank	6807682
AL137294	GenBank	6807754
AL137393	GenBank	6807926
AL137506	GenBank	6808153
AL137549	GenBank	6808232
AL137721	GenBank	6808159
AL137728	GenBank	6808258
AL137730	GenBank	6808260
AL157432	GenBank	7018502
AP000045	GenBank	3132355
AP000087	GenBank	4730828
AP000088	GenBank	4730829
AP000118	GenBank	4730887
AP000215	GenBank	4827263
AP000254	GenBank	4835623
AP000345	GenBank	5103008
AP000525	GenBank	5931503
AP000526	GenBank	5931504
AP000547	GenBank	5931525
AP000697	GenBank	6712194
AP000962	GenBank	6942330
AP001053	GenBank	6693603
D00017	GenBank	219909
D00422	GenBank	220063
D00760	GenBank	220023
D13388	GenBank	219587
D13627	GenBank	286010
D13645	GenBank	286008
D13866	GenBank	433410
D14043	GenBank	219924
D14710	GenBank	559324
D14813	GenBank	506341
D16481	GenBank	473711
D16562	GenBank	506336
D21262	GenBank	434764
D21853	GenBank	434770
D23660	GenBank	432358
D25542	GenBank	662389
D26488	GenBank	452522
D29956	GenBank	473944
D31767	GenBank	505091
D31885	GenBank	505097
D37984	GenBank	531242
D38112	GenBank	644480
D38293	GenBank	807814
D38521	GenBank	559329
D38524	GenBank	633070
D38550	GenBank	559708
D38555	GenBank	559716
D38583	GenBank	560790
D42063	GenBank	924266
D42084	GenBank	577314
D43948	GenBank	603950
D43951	GenBank	603956
D45198	GenBank	971271

TABLE 6-1

ACC NUM	DATABASE	GI NBR
D50310	GenBank	1183161
D50372	GenBank	2605593
D50420	GenBank	2618577
D50516	GenBank	807712
D50678	GenBank	1321643
D50927	GenBank	6633951
D63391	GenBank	1122218
D63486	GenBank	1469885
D78014	GenBank	1330241
D78132	GenBank	1772344
D78611	GenBank	1655421
D79983	GenBank	1136383
D79986	GenBank	1136389
D79996	GenBank	1136407
D80000	GenBank	1136415
D80009	GenBank	1136433
D83784	GenBank	1663695
D85939	GenBank	2114175
D86965	GenBank	1504003
D86981	GenBank	1504035
D87119	GenBank	1507671
D87453	GenBank	1665794
D87666	GenBank	1620016
D87667	GenBank	1620019
D87742	GenBank	1665824
D87845	GenBank	1765863
D89640	GenBank	2696095
D89729	GenBank	2626839
D90226	GenBank	219946
E00199	GenBank	2168495
E00410	GenBank	2168693
E01094	GenBank	2169353
E01650	GenBank	2169903
E01915	GenBank	2170164
E01954	GenBank	2170202
E02339	GenBank	2170574
E02628	GenBank	2170856
E05647	GenBank	2173834
E07218	GenBank	2175359
E07219	GenBank	2175360
E13292	GenBank	3252097
E13405	GenBank	3252210
J01415	GenBank	1944628
J02642	GenBank	182862
J02853	GenBank	598146
J02943	GenBank	179970
J03007	GenBank	179211
J03248	GenBank	183053
J03473	GenBank	337423
J03537	GenBank	337513
J03575	GenBank	189737
J03592	GenBank	339722
J03798	GenBank	338264
J03799	GenBank	186840
J04027	GenBank	950413
J04088	GenBank	292829

TABLE 6-1

ACC NUM	DATABASE	GI NBR
J04129	GenBank	190214
J04208	GenBank	186391
J04607	GenBank	339666
J04799	GenBank	190197
J04973	GenBank	180927
J04991	GenBank	189425
J05016	GenBank	181507
K01144	GenBank	188469
K02765	GenBank	179664
L00084	GenBank	179055
L01087	GenBank	558098
L02426	GenBank	403455
L04636	GenBank	338044
L05921	GenBank	178868
L06499	GenBank	292438
L07395	GenBank	190218
L07758	GenBank	177764
L07782	GenBank	186475
L08048	GenBank	184250
L08441	GenBank	179295
L09247	GenBank	292410
L09260	GenBank	307194
L10138	GenBank	183753
L10284	GenBank	186522
L10678	GenBank	190387
L10910	GenBank	405191
L12387	GenBank	459835
L12686	GenBank	349765
L13689	GenBank	291872
L15702	GenBank	291921
L19184	GenBank	440305
L20826	GenBank	405229
L20941	GenBank	507251
L22009	GenBank	347313
L22569	GenBank	348706
L25931	GenBank	438638
L29219	GenBank	632963
L31801	GenBank	561721
L33930	GenBank	500848
L37368	GenBank	1236282
L38928	GenBank	886296
L38951	GenBank	893287
L39210	GenBank	1702963
L40357	GenBank	927070
L42143	GenBank	825461
L42583	GenBank	908777
L46353	GenBank	928818
L47125	GenBank	1237180
L47176	GenBank	976204
L47575	GenBank	1000872
L76465	GenBank	1203983
L76703	GenBank	1478069
M11353	GenBank	184092
M11560	GenBank	178350
M12623	GenBank	184233
M13194	GenBank	567007

TABLE 6-1

ACC NUM	DATABASE	GI NBR
M13520	GenBank	179459
M13536	GenBank	180248
M13560	GenBank	184517
M13699	GenBank	180255
M14631	GenBank	183416
M14648	GenBank	340306
M15178	GenBank	184199
M16336	GenBank	180093
M16342	GenBank	184266
M16660	GenBank	184420
M17885	GenBank	190231
M17987	GenBank	179316
M18112	GenBank	190166
M19283	GenBank	178042
M21142	GenBank	183402
M21258	GenBank	338256
M22760	GenBank	695359
M22918	GenBank	189019
M22920	GenBank	189021
M23613	GenBank	189271
M23905	GenBank	188386
M24194	GenBank	187701
M24895	GenBank	537511
M26038	GenBank	188303
M26481	GenBank	619789
M27635	GenBank	1066785
M29064	GenBank	337452
M29366	GenBank	181979
M29870	GenBank	190823
M29877	GenBank	178408
M30393	GenBank	340381
M30496	GenBank	340073
M31935	GenBank	182602
M32306	GenBank	181132
M34057	GenBank	339547
M35252	GenBank	180925
M55210	GenBank	186962
M59979	GenBank	189886
M62403	GenBank	184815
M64241	GenBank	190813
M65209	GenBank	184444
M73837	GenBank	188685
M74002	GenBank	178996
M74718	GenBank	338012
M77142	GenBank	339700
M83088	GenBank	189925
M83665	GenBank	184235
M83822	GenBank	1580780
M86667	GenBank	189066
M87339	GenBank	1498255
M88108	GenBank	189499
M93651	GenBank	338038
S59049	GenBank	299704
S63168	GenBank	386449
S63912	GenBank	399757
S69002	GenBank	545407

TABLE 6-1

ACC NUM	DATABASE	GI NBR
S70290	GenBank	546602
S72869	GenBank	633869
S74017	GenBank	693841
S79522	GenBank	243887
U00238	GenBank	404860
U02680	GenBank	451481
U03688	GenBank	501030
U03877	GenBank	458227
U07977	GenBank	558426
U10323	GenBank	532312
U12404	GenBank	531170
U12424	GenBank	525319
U12897	GenBank	562075
U13877	GenBank	606943
U13896	GenBank	558435
U13991	GenBank	562076
U14966	GenBank	550012
U14968	GenBank	550016
U14971	GenBank	550022
U15009	GenBank	600749
U15128	GenBank	902744
U16798	GenBank	806751
U17163	GenBank	596005
U18062	GenBank	642794
U18121	GenBank	915283
U18422	GenBank	604478
U19143	GenBank	914900
U19144	GenBank	914902
U19145	GenBank	914904
U19718	GenBank	642031
U19769	GenBank	924600
U20620	GenBank	5702051
U23028	GenBank	806853
U24105	GenBank	1638873
U25997	GenBank	3006202
U26162	GenBank	829622
U26424	GenBank	1203795
U27459	GenBank	1142705
U28042	GenBank	1142709
U30521	GenBank	963091
U30872	GenBank	1000093
U30897	GenBank	2076716
U31906	GenBank	1173564
U34994	GenBank	6525311
U35146	GenBank	1517819
U35835	GenBank	1017756
U36764	GenBank	1036804
U38894	GenBank	1589739
U40369	GenBank	1103903
U40490	GenBank	1110519
U40580	GenBank	1200185
U41384	GenBank	1145886
U43939	GenBank	1167983
U46006	GenBank	1314358
U49245	GenBank	1216503
U49436	GenBank	1229139

TABLE 6-1

ACC NUM	DATABASE	GI NBR
U49973	GenBank	2226003
U51677	GenBank	1435196
U51990	GenBank	1805248
U53209	GenBank	1256836
U54558	GenBank	2351377
U54559	GenBank	2351379
U54993	GenBank	4097314
U57029	GenBank	1405357
U58046	GenBank	1808984
U59919	GenBank	1633620
U60666	GenBank	1390022
U62317	GenBank	6862558
U62899	GenBank	1923218
U64675	GenBank	5809677
U65011	GenBank	1903383
U65896	GenBank	1763689
U66046	GenBank	1519271
U66059	GenBank	1552494
U66469	GenBank	1724072
U66838	GenBank	1753108
U66871	GenBank	1519518
U68758	GenBank	4097815
U69668	GenBank	1850341
U72787	GenBank	1575795
U73168	GenBank	1613899
U73379	GenBank	2062372
U73945	GenBank	1755147
U77085	GenBank	1684789
U79282	GenBank	1710254
U80017	GenBank	1737211
U82319	GenBank	1938350
U90549	GenBank	2062699
U90916	GenBank	1913897
U90942	GenBank	4099879
U91322	GenBank	2344876
U91327	GenBank	1871209
U91328	GenBank	2088550
U94586	GenBank	1946691
U94747	GenBank	2290529
U95140	GenBank	2565163
U95626	GenBank	2104517
X00457	GenBank	36405
X02152	GenBank	34312
X03635	GenBank	31233
X04076	GenBank	29720
X04098	GenBank	28338
X04106	GenBank	35327
X04408	GenBank	31914
X05857	GenBank	31988
X06409	GenBank	30204
X06747	GenBank	36101
X07036	GenBank	31951
X07062	GenBank	32233
X07466	GenBank	31769
X07979	GenBank	31441
X12597	GenBank	32326

TABLE 6-1

ACC NUM	DATABASE	GI NBR
X15187	GenBank	37260
X15729	GenBank	38317
X15880	GenBank	30029
X16850	GenBank	23711
X17206	GenBank	34391
X53793	GenBank	28383
X55733	GenBank	288099
X56932	GenBank	23690
X56998	GenBank	37564
X57025	GenBank	33007
X58072	GenBank	31665
X59417	GenBank	35681
X62534	GenBank	32332
X63432	GenBank	28335
X65550	GenBank	415818
X67337	GenBank	871298
X69398	GenBank	396175
X70326	GenBank	38434
X72012	GenBank	402206
X74262	GenBank	397375
X74331	GenBank	510407
X74801	GenBank	671526
X75821	GenBank	509780
X76092	GenBank	452403
X77744	GenBank	456189
X79448	GenBank	2326523
X80910	GenBank	531475
X81889	GenBank	1702923
X81892	GenBank	2117160
X83973	GenBank	639692
X84908	GenBank	1502344
X85372	GenBank	806563
X86691	GenBank	1107695
X87344	GenBank	1054740
X89478	GenBank	950050
X91257	GenBank	1050526
X91648	GenBank	1495073
X93920	GenBank	1418933
X95762	GenBank	2584786
X96375	GenBank	1418780
X96670	GenBank	1370114
X99920	GenBank	1694827
Y00281	GenBank	36052
Y00282	GenBank	36048
Y00345	GenBank	35569
Y00711	GenBank	34328
Y00978	GenBank	35359
Y12065	GenBank	2230877
Y13829	GenBank	2765349
Y14737	GenBank	2765424
Y16241	GenBank	3378195
Z13009	GenBank	31072
Z23064	GenBank	3256006
Z24725	GenBank	505032
Z25521	GenBank	396704
Z35291	GenBank	515786

TABLE 6-1

ACC NUM	DATABASE	GI NBR
Z36849	GenBank	533963
Z48950	GenBank	761715
Z49862	GenBank	1213360
Z69923	GenBank	1217635
Z75330	GenBank	2204212
Z75331	GenBank	2204214
Z75887	GenBank	2950223
Z83826	GenBank	4902653
Z83836	GenBank	6572173
Z84474	GenBank	1903188
Z85987	GenBank	5531490
Z85999	GenBank	2326514
Z92846	GenBank	1877217
Z93019	GenBank	2168141
Z93930	GenBank	4775603
Z95126	GenBank	2342581
Z97832	GenBank	6065887
Z98036	GenBank	2578066
Z98750	GenBank	2887277
Z98754	GenBank	2505931
Z98755	GenBank	2578138
Z99129	GenBank	3281967
Z99716	GenBank	4456457
Z99916	GenBank	4158122
AA001409	DBEst	1436894
AA001995	DBEst	1445450
AA004614	DBEst	1448481
AA004862	DBEst	1448352
AA007555	DBEst	1463531
AA009568	DBEst	1470706
AA009649	DBEst	1470777
AA010164	DBEst	1471211
AA010337	DBEst	1471583
AA010529	DBEst	1471555
AA010629	DBEst	1471655
AA011185	DBEst	1472212
AA011203	DBEst	1472315
AA012957	DBEst	1474022
AA017246	DBEst	1479409
AA018692	DBEst	1482031
AA024482	DBEst	1489442
AA024699	DBEst	1489612
AA025869	DBEst	1491206
AA029276	DBEst	1496887
AA031508	DBEst	1501462
AA032059	DBEst	1502022
AA033753	DBEst	1505571
AA034100	DBEst	1505927
AA034118	DBEst	1505975
AA037349	DBEst	1512449
AA037380	DBEst	1512479
AA037511	DBEst	1512834
AA039524	DBEst	1515867
AA039640	DBEst	1515918
AA039895	DBEst	1516376
AA039967	DBEst	1516280

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ACC NUM	DATABASE	GI NBR
AA040688	DBEst	1517002
AA041415	DBEst	1517640
AA044205	DBEst	1522062
AA044747	DBEst	1522950
AA044904	DBEst	1523108
AA045020	DBEst	1523222
AA045851	DBEst	1525953
AA045856	DBEst	1525752
AA053656	DBEst	1544644
AA055223	DBEst	1547561
AA056266	DBEst	1548813
AA056338	DBEst	1548957
AA056703	DBEst	1549059
AA057583	DBEst	1550223
AA064873	DBEst	1558994
AA070538	DBEst	1577899
AA071025	DBEst	1578385
AA074819	DBEst	1614688
AA075039	DBEst	1614909
AA075475	DBEst	1615362
AA075710	DBEst	1615580
AA076477	DBEst	1616346
AA076683	DBEst	1836185
AA079480	DBEst	1618390
AA081059	DBEst	1623352
AA081917	DBEst	1623975
AA082142	DBEst	1624218
AA082800	DBEst	1624857
AA083259	DBEst	1625585
AA083631	DBEst	1625690
AA085512	DBEst	1628698
AA086078	DBEst	1629628
AA088252	DBEst	1633737
AA088257	DBEst	1633760
AA088529	DBEst	1634034
AA088829	DBEst	1634323
AA090912	DBEst	1635496
AA091555	DBEst	1638010
AA093276	DBEst	1638745
AA093359	DBEst	1638984
AA094356	DBEst	1639933
AA098869	DBEst	1644973
AA099376	DBEst	1646095
AA100470	DBEst	1648204
AA101300	DBEst	1648046
AA101936	DBEst	1645533
AA111889	DBEst	1663960
AA112371	DBEst	1664781
AA113290	DBEst	1664995
AA115212	DBEst	1669940
AA115269	DBEst	1670447
AA115284	DBEst	1670462
AA115387	DBEst	1670776
AA120896	DBEst	1678227
AA121482	DBEst	1679115
AA122041	DBEst	1678060

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ACC_NUM	DATABASE	GI_NBR
AA125780	DBEst	1685521
AA126787	DBEst	1686269
AA127584	DBEst	1686872
AA127585	DBEst	1686873
AA127633	DBEst	1686920
AA127809	DBEst	1687088
AA128298	DBEst	1688384
AA128305	DBEst	1688355
AA128343	DBEst	1688430
AA129551	DBEst	1689316
AA129634	DBEst	1689644
AA129710	DBEst	1690139
AA129776	DBEst	1690187
AA130349	DBEst	1691492
AA130428	DBEst	1691711
AA131975	DBEst	1693528
AA132012	DBEst	1693503
AA132267	DBEst	1693755
AA132373	DBEst	1694001
AA132555	DBEst	1694062
AA132792	DBEst	1694485
AA133357	DBEst	1690325
AA134064	DBEst	1691338
AA134157	DBEst	1691371
AA134937	DBEst	1696064
AA136165	DBEst	1697421
AA136204	DBEst	1697414
AA137131	DBEst	1698366
AA143034	DBEst	1712411
AA143696	DBEst	1713076
AA147005	DBEst	1716374
AA147714	DBEst	1717086
AA148087	DBEst	1717646
AA148796	DBEst	1721633
AA149265	DBEst	1719906
AA150345	DBEst	1721857
AA155944	DBEst	1727635
AA156244	DBEst	1727862
AA156356	DBEst	1728097
AA156901	DBEst	1728581
AA158153	DBEst	1732990
AA159847	DBEst	1735079
AA160224	DBEst	1734819
AA160229	DBEst	1734824
AA160973	DBEst	1735680
AA164449	DBEst	1740608
AA164850	DBEst	1741144
AA164878	DBEst	1741037
AA164983	DBEst	1740409
AA165292	DBEst	1740520
AA165611	DBEst	1741706
AA165632	DBEst	1741665
AA165668	DBEst	1741719
AA166618	DBEst	1745207
AA167821	DBEst	1744972
AA169501	DBEst	1747907

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ACC NUM	DATABASE	GI NBR
AA169794	DBEst	1748129
AA171694	DBEst	1750770
AA173523	DBEst	1753673
AA173965	DBEst	1754167
AA179268	DBEst	1760681
AA181017	DBEst	1764219
AA181455	DBEst	1764940
AA181941	DBEst	1765486
AA182938	DBEst	1766181
AA187486	DBEst	1773696
AA188424	DBEst	1775649
AA190812	DBEst	1779197
AA190884	DBEst	1779404
AA191071	DBEst	1779663
AA191098	DBEst	1779690
AA193295	DBEst	1782687
AA193411	DBEst	1783011
AA194130	DBEst	1783821
AA194666	DBEst	1784359
AA195145	DBEst	1784917
AA196962	DBEst	1792553
AA197340	DBEst	1792931
AA203206	DBEst	1798916
AA203413	DBEst	1799140
AA203671	DBEst	1799390
AA205482	DBEst	1803490
AA205957	DBEst	1801328
AA206351	DBEst	1801738
AA209369	DBEst	1807295
AA210810	DBEst	1809464
AA211798	DBEst	1810434
AA214448	DBEst	1813109
AA215449	DBEst	1815175
AA216132	DBEst	1816071
AA223895	DBEst	1844436
AA225008	DBEst	1846317
AA229018	DBEst	1851983
AA233060	DBEst	1856072
AA234592	DBEst	1859103
AA234661	DBEst	1859172
AA235285	DBEst	1859751
AA236356	DBEst	1858406
AA236469	DBEst	1858867
AA236755	DBEst	1860847
AA243028	DBEst	1873824
AA243248	DBEst	1874041
AA243624	DBEst	1874416
AA247690	DBEst	1879591
AA250870	DBEst	1885968
AA251932	DBEst	1886893
AA252708	DBEst	1887807
AA252732	DBEst	1887702
AA253154	DBEst	1882918
AA253453	DBEst	1885754
AA256303	DBEst	1891840
AA256499	DBEst	1892258

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ACC NUM	DATABASE	GI NBR
AA258014	DBEst	1894446
AA258741	DBEst	1893864
AA261945	DBEst	1897943
AA262631	DBEst	1897618
AA262683	DBEst	1898095
AA263131	DBEst	1898937
AA278353	DBEst	1921661
AA278937	DBEst	1920403
AA278949	DBEst	1920415
AA280076	DBEst	1921550
AA280172	DBEst	1921885
AA280221	DBEst	1921759
AA281188	DBEst	1923869
AA282173	DBEst	1925034
AA285035	DBEst	1927716
AA286872	DBEst	1933932
AA287225	DBEst	1934286
AA287833	DBEst	1933549
AA287933	DBEst	1933756
AA291747	DBEst	1939726
AA292807	DBEst	1941646
AA293028	DBEst	1940924
AA293276	DBEst	1941426
AA293612	DBEst	1941263
AA293804	DBEst	1941727
AA298125	DBEst	1950457
AA300116	DBEst	1952446
AA305438	DBEst	1957763
AA306097	DBEst	1958497
AA306543	DBEst	1958872
AA307371	DBEst	1959720
AA307398	DBEst	1959726
AA307673	DBEst	1960002
AA307697	DBEst	1960187
AA308651	DBEst	1960979
AA309127	DBEst	1961452
AA309970	DBEst	1962299
AA310532	DBEst	1962858
AA310558	DBEst	1962884
AA311408	DBEst	1963755
AA313223	DBEst	1965552
AA313274	DBEst	1965694
AA313507	DBEst	1965856
AA313644	DBEst	1965974
AA314294	DBEst	1966623
AA314393	DBEst	1966954
AA314633	DBEst	1966981
AA315028	DBEst	1967518
AA315030	DBEst	1967520
AA315298	DBEst	1967627
AA315472	DBEst	1967801
AA315718	DBEst	1968047
AA315881	DBEst	1968421
AA316186	DBEst	1968515
AA316516	DBEst	1968844
AA316874	DBEst	1969202

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ACC NUM	DATABASE	GI NBR
AA317144	DBEst	1969699
AA318969	DBEst	1971371
AA324028	DBEst	1976355
AA335095	DBEst	1987358
AA336685	DBEst	1988924
AA338895	DBEst	1991133
AA342070	DBEst	1994305
AA342364	DBEst	1994621
AA342969	DBEst	1995205
AA348580	DBEst	2000816
AA350993	DBEst	2003333
AA352493	DBEst	2004812
AA354928	DBEst	2007246
AA355263	DBEst	2007801
AA355405	DBEst	2007765
AA360416	DBEst	2012785
AA364656	DBEst	2016973
AA366635	DBEst	2018953
AA374854	DBEst	2027173
AA375957	DBEst	2028275
AA382541	DBEst	2034859
AA384272	DBEst	2036591
AA393690	DBEst	2046785
AA394297	DBEst	2046053
AA394311	DBEst	2046088
AA397822	DBEst	2051030
AA398153	DBEst	2051399
AA398590	DBEst	2051832
AA398704	DBEst	2051817
AA399531	DBEst	2052616
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AA401085	DBEst	2055153
AA402289	DBEst	2056202
AA403039	DBEst	2056776
AA403188	DBEst	2055704
AA404613	DBEst	2058825
AA405988	DBEst	2063971
AA406034	DBEst	2064035
AA406056	DBEst	2064165
AA406093	DBEst	2064247
AA406260	DBEst	2064447
AA406414	DBEst	2064452
AA406475	DBEst	2064476
AA410508	DBEst	2069614
AA410605	DBEst	2069728
AA410689	DBEst	2069820
AA410691	DBEst	2069914
AA410942	DBEst	2070196
AA411082	DBEst	2070211
AA411397	DBEst	2068929
AA411555	DBEst	2069290
AA412359	DBEst	2070929
AA417057	DBEst	2077263
AA417085	DBEst	2077167
AA417324	DBEst	2077423
AA417648	DBEst	2079467

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ACC NUM	DATABASE	GI NBR
AA418163	DBEst	2079973
AA418536	DBEst	2080317
AA418681	DBEst	2080518
AA419507	DBEst	2079252
AA420650	DBEst	2094538
AA420789	DBEst	2094677
AA421510	DBEst	2100352
AA423898	DBEst	2102859
AA424098	DBEst	2103059
AA424285	DBEst	2103255
AA424456	DBEst	2103444
AA425074	DBEst	2107125
AA425485	DBEst	2106224
AA427781	DBEst	2112361
AA429307	DBEst	2111920
AA430018	DBEst	2113392
AA430088	DBEst	2113325
AA431766	DBEst	2115474
AA433968	DBEst	2138882
AA434120	DBEst	2139034
AA434435	DBEst	2139349
AA436503	DBEst	2141417
AA436522	DBEst	2141436
AA437035	DBEst	2141949
AA437073	DBEst	2141987
AA442177	DBEst	2154055
AA442988	DBEst	2155663
AA446089	DBEst	2158754
AA446436	DBEst	2159101
AA447209	DBEst	2159874
AA447559	DBEst	2161229
AA448438	DBEst	2162108
AA448542	DBEst	2162212
AA449092	DBEst	2163112
AA449205	DBEst	2162668
AA449298	DBEst	2163147
AA449725	DBEst	2163475
AA450357	DBEst	2162902
AA451633	DBEst	2165302
AA451640	DBEst	2165309
AA451853	DBEst	2165522
AA452202	DBEst	2165871
AA452368	DBEst	2166037
AA452369	DBEst	2166038
AA452664	DBEst	2166333
AA453215	DBEst	2166884
AA453217	DBEst	2166886
AA453529	DBEst	2167198
AA454211	DBEst	2167880
AA454559	DBEst	2177335
AA455774	DBEst	2178550
AA456598	DBEst	2179174
AA456829	DBEst	2179549
AA458987	DBEst	2183894
AA459527	DBEst	2184434
AA459992	DBEst	2184876

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ACC NUM	DATABASE	GI NBR
AA460028	DBEst	2184912
AA460440	DBEst	2185186
AA460628	DBEst	2185748
AA461133	DBEst	2186253
AA461343	DBEst	2186463
AA464694	DBEst	2189578
AA465232	DBEst	2191399
AA465329	DBEst	2191496
AA468538	DBEst	2195072
AA476481	DBEst	2204692
AA477773	DBEst	2206407
AA478786	DBEst	2207420
AA479746	DBEst	2205632
AA480262	DBEst	2208413
AA480349	DBEst	2208500
AA480855	DBEst	2210407
AA481360	DBEst	2210912
AA482588	DBEst	2210266
AA483481	DBEst	2212294
AA484714	DBEst	2211508
AA484886	DBEst	2213953
AA486115	DBEst	2216331
AA486673	DBEst	2216837
AA486711	DBEst	2216875
AA486961	DBEst	2217125
AA487468	DBEst	2217632
AA488383	DBEst	2215814
AA488588	DBEst	2216019
AA489022	DBEst	2218624
AA489028	DBEst	2218630
AA489435	DBEst	2219037
AA491219	DBEst	2220392
AA493968	DBEst	2223809
AA494308	DBEst	2224095
AA494400	DBEst	2224187
AA495938	DBEst	2229259
AA495978	DBEst	2229299
AA496126	DBEst	2229447
AA496783	DBEst	2230104
AA496800	DBEst	2230121
AA496991	DBEst	2230312
AA502277	DBEst	2237244
AA502375	DBEst	2237342
AA503078	DBEst	2238045
AA503215	DBEst	2238182
AA505960	DBEst	2242097
AA506302	DBEst	2242542
AA513306	DBEst	2251718
AA514269	DBEst	2253937
AA514775	DBEst	2254375
AA514782	DBEst	2254382
AA521396	DBEst	2261939
AA523354	DBEst	2264066
AA523813	DBEst	2264741
AA523877	DBEst	2264805
AA524138	DBEst	2265066

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ACC NUM	DATABASE	GI NBR
AA524378	DBEst	2265306
AA524399	DBEst	2265327
AA524798	DBEst	2265726
AA525108	DBEst	2266036
AA525419	DBEst	2266347
AA527001	DBEst	2269070
AA527253	DBEst	2269322
AA527296	DBEst	2269365
AA527360	DBEst	2269429
AA528190	DBEst	2270259
AA528233	DBEst	2270302
AA528295	DBEst	2270364
AA531461	DBEst	2274167
AA534078	DBEst	2278094
AA535091	DBEst	2279344
AA542850	DBEst	2291330
AA545726	DBEst	2307096
AA545794	DBEst	2307073
AA548124	DBEst	2318406
AA548731	DBEst	2319013
AA548898	DBEst	2319180
AA551421	DBEst	2321673
AA551900	DBEst	2322152
AA552146	DBEst	2322398
AA552507	DBEst	2322761
AA552696	DBEst	2322950
AA553694	DBEst	2324233
AA553905	DBEst	2324444
AA557190	DBEst	2327667
AA557372	DBEst	2327849
AA558580	DBEst	2329057
AA558893	DBEst	2329660
AA558957	DBEst	2329724
AA564153	DBEst	2335792
AA564742	DBEst	2336381
AA565647	DBEst	2337286
AA565885	DBEst	2337524
AA569895	DBEst	2343875
AA573912	DBEst	2348427
AA574090	DBEst	2348605
AA574340	DBEst	2348855
AA576959	DBEst	2354433
AA577001	DBEst	2354475
AA577040	DBEst	2354514
AA577927	DBEst	2356111
AA579356	DBEst	2357540
AA579608	DBEst	2357792
AA580046	DBEst	2355373
AA580516	DBEst	2355843
AA581833	DBEst	2360511
AA582721	DBEst	2360081
AA583992	DBEst	2368601
AA588822	DBEst	2402553
AA594986	DBEst	2410336
AA602897	DBEst	2436831
AA603150	DBEst	2437011

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ACC NUM	DATABASE	GI NBR
AA603455	DBEst	2437316
AA603782	DBEst	2437643
AA603812	DBEst	2437673
AA609958	DBEst	2458386
AA610305	DBEst	2458733
AA614021	DBEst	2466155
AA614476	DBEst	2466672
AA617722	DBEst	2504927
AA618170	DBEst	2505375
AA620697	DBEst	2524636
AA621500	DBEst	2525439
AA621577	DBEst	2525516
AA622311	DBEst	2526187
AA625436	DBEst	2537823
AA625694	DBEst	2538081
AA626503	DBEst	2538890
AA626882	DBEst	2539269
AA629616	DBEst	2552227
AA630374	DBEst	2552985
AA631460	DBEst	2554071
AA633983	DBEst	2557197
AA634196	DBEst	2557410
AA634360	DBEst	2557574
AA634799	DBEst	2558013
AA639737	DBEst	2563516
AA640215	DBEst	2563994
AA641769	DBEst	2566987
AA642409	DBEst	2567627
AA643615	DBEst	2568833
AA643961	DBEst	2569179
AA648503	DBEst	2574932
AA651668	DBEst	2583320
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AA659312	DBEst	2595466
AA662132	DBEst	2616223
AA662373	DBEst	2616464
AA663609	DBEst	2617600
AA665208	DBEst	2619821
AA669103	DBEst	2630602
AA669106	DBEst	2630605
AA669154	DBEst	2630653
AA669913	DBEst	2631412
AA670046	DBEst	2631545
AA670064	DBEst	2631563
AA675900	DBEst	2775247
AA677996	DBEst	2658518
AA678033	DBEst	2658555
AA678853	DBEst	2659375
AA678964	DBEst	2659486
AA682539	DBEst	2669820
AA683111	DBEst	2669002
AA687579	DBEst	2674485
AA687594	DBEst	2674500
AA687853	DBEst	2674759

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ACC NUM	DATABASE	GI NBR
AA688195	DBEst	2675101
AA694160	DBEst	2695098
AA694394	DBEst	2695332
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AA702489	DBEst	2705602
AA704916	DBEst	2714834
AA707078	DBEst	2716996
AA707181	DBEst	2717099
AA707324	DBEst	2717242
AA707820	DBEst	2717738
AA707847	DBEst	2717765
AA708633	DBEst	2718551
AA708673	DBEst	2718591
AA708748	DBEst	2718666
AA714547	DBEst	2726821
AA714641	DBEst	2726915
AA715450	DBEst	2727724
AA719844	DBEst	2732943
AA720572	DBEst	2736707
AA723188	DBEst	2740965
AA723690	DBEst	2741397
AA723729	DBEst	2741436
AA725680	DBEst	2743387
AA725914	DBEst	2743621
AA731160	DBEst	2752364
AA732577	DBEst	2753184
AA737188	DBEst	2767463
AA738037	DBEst	2768794
AA738390	DBEst	2769147
AA740151	DBEst	2778743
AA740886	DBEst	2779478
AA741202	DBEst	2779794
AA741483	DBEst	2780075
AA743389	DBEst	2782895
AA743632	DBEst	2783138
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AA744578	DBEst	2783342
AA745726	DBEst	2785712
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AA747797	DBEst	2787755
AA748203	DBEst	2788161
AA757451	DBEst	2805314
AA760996	DBEst	2809926
AA761181	DBEst	2810111
AA761800	DBEst	2810730
AA765066	DBEst	2816304
AA766567	DBEst	2817805
AA769127	DBEst	2820365
AA769179	DBEst	2820417
AA769673	DBEst	2820911
AA769920	DBEst	2821158
AA772011	DBEst	2823794
AA772257	DBEst	2824040
AA773350	DBEst	2824921
AA773362	DBEst	2824933
AA773998	DBEst	2825887

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ACC NUM	DATABASE	GI NBR
AA776593	DBEst	2835927
AA777273	DBEst	2836604
AA777844	DBEst	2836837
AA779176	DBEst	2838507
AA779427	DBEst	2838758
AA779561	DBEst	2838892
AA779659	DBEst	2838990
AA779726	DBEst	2839057
AA780616	DBEst	2839947
AA781009	DBEst	2840340
AA781326	DBEst	2840657
AA781487	DBEst	2840818
AA781749	DBEst	2841080
AA805563	DBEst	2874313
AA807829	DBEst	2877235
AA808525	DBEst	2877931
AA808818	DBEst	2878224
AA809664	DBEst	2879070
AA811229	DBEst	2880840
AA811262	DBEst	2880873
AA811609	DBEst	2881220
AA815378	DBEst	2884974
AA825261	DBEst	2898562
AA827331	DBEst	2899772
AA827620	DBEst	2900061
AA829143	DBEst	2902242
AA830274	DBEst	2903373
AA830801	DBEst	2903900
AA830933	DBEst	2904032
AA831659	DBEst	2904758
AA832044	DBEst	2905143
AA833578	DBEst	2907306
AA833847	DBEst	2908615
AA835801	DBEst	2910120
AA836302	DBEst	2910621
AA837534	DBEst	2912733
AA843844	DBEst	2930295
AA843859	DBEst	2930310
AA844071	DBEst	2930522
AA845164	DBEst	2931615
AA845390	DBEst	2933149
AA845409	DBEst	2933168
AA845421	DBEst	2933180
AA845465	DBEst	2933224
AA845575	DBEst	2933334
AA846943	DBEst	2933461
AA852681	DBEst	2941274
AA854760	DBEst	2942298
AA856569	DBEst	2944871
AA857178	DBEst	2945480
AA857866	DBEst	2946168
AA857909	DBEst	2946211
AA858080	DBEst	2946382
AA861425	DBEst	2953565
AA863095	DBEst	2955574
AA863178	DBEst	2955657

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ACC NUM	DATABASE	GI NBR
AA863301	DBEst	2955780
AA864795	DBEst	2959108
AA864840	DBEst	2959153
AA865048	DBEst	2957324
AA865527	DBEst	2957803
AA866054	DBEst	2958330
AA866187	DBEst	2958463
AA872805	DBEst	2968927
AA873067	DBEst	2969189
AA883055	DBEst	2992654
AA884787	DBEst	2994768
AA884922	DBEst	2994903
AA885621	DBEst	3000729
AA886392	DBEst	3001500
AA887054	DBEst	3002162
AA888155	DBEst	3003830
AA889415	DBEst	3016294
AA902816	DBEst	3037939
AA904079	DBEst	3039202
AA905373	DBEst	3040496
AA906188	DBEst	3041311
AA907484	DBEst	3042944
AA908851	DBEst	3048256
AA913688	DBEst	3053080
AA918220	DBEst	3058110
AA918686	DBEst	3058576
AA919108	DBEst	3058998
AA923015	DBEst	3070324
AA923370	DBEst	3070679
AA927353	DBEst	3076250
AA927893	DBEst	3076637
AA933736	DBEst	3090004
AA935716	DBEst	3092873
AA936261	DBEst	3094179
AA938142	DBEst	3096253
AA939083	DBEst	3098996
AA947633	DBEst	3108886
AA948244	DBEst	3109497
AA952962	DBEst	3117109
AA960755	DBEst	3127309
AA962310	DBEst	3134474
AA970201	DBEst	3145714
AA971638	DBEst	3146928
AA971884	DBEst	3147174
AA974049	DBEst	3149229
AA976712	DBEst	3154158
AA983855	DBEst	3162380
AA983981	DBEst	3162506
AA987658	DBEst	3173022
AA988011	DBEst	3173375
AA995575	DBEst	3182064
AF017688	DBEst	2435451
AF038658	DBEst	2766699
AF156972	DBEst	5361367
AI003967	DBEst	3213477
AI014927	DBEst	3229263

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ACC NUM	DATABASE	GI NBR
AI015574	DBEst	3229910
AI015684	DBEst	3230020
AI016669	DBEst	3231005
AI017431	DBEst	3231767
AI022803	DBEst	3238044
AI027530	DBEst	3246460
AI028106	DBEst	3245415
AI033217	DBEst	3254170
AI033544	DBEst	3254497
AI034256	DBEst	3255209
AI037920	DBEst	3277114
AI038174	DBEst	3277368
AI038986	DBEst	3278180
AI040206	DBEst	3279400
AI041842	DBEst	3281036
AI049664	DBEst	3298781
AI049958	DBEst	3299075
AI049960	DBEst	3299077
AI049971	DBEst	3299088
AI050869	DBEst	3307674
AI051428	DBEst	3306962
AI057094	DBEst	3330970
AI057186	DBEst	3331052
AI061351	DBEst	3336719
AI064937	DBEst	6359209
AI066425	DBEst	3367127
AI066692	DBEst	3366978
AI075024	DBEst	3401668
AI075041	DBEst	3401685
AI075198	DBEst	3401789
AI075798	DBEst	3404976
AI076172	DBEst	3405350
AI076814	DBEst	3404643
AI078121	DBEst	3412529
AI078772	DBEst	3413079
AI080063	DBEst	3416314
AI081113	DBEst	3417905
AI081894	DBEst	3418686
AI082228	DBEst	3419020
AI083771	DBEst	3422194
AI086676	DBEst	3425099
AI087139	DBEst	3425562
AI089371	DBEst	3428430
AI089630	DBEst	3428689
AI091340	DBEst	3430399
AI091406	DBEst	3430465
AI091540	DBEst	3430599
AI091838	DBEst	3430897
AI092271	DBEst	3427244
AI092324	DBEst	3431300
AI094332	DBEst	3433308
AI097410	DBEst	3446992
AI114584	DBEst	6359929
AI123045	DBEst	3538811
AI123763	DBEst	3539529
AI126867	DBEst	3595381

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ACC NUM	DATABASE	GI NBR
AI127721	DBEst	3596235
AI128019	DBEst	3596533
AI128925	DBEst	3597439
AI131043	DBEst	3601059
AI131491	DBEst	3601507
AI131519	DBEst	3601535
AI132924	DBEst	6360240
AI132935	DBEst	6360251
AI133084	DBEst	6360400
AI133612	DBEst	6360928
AI139126	DBEst	3645098
AI140251	DBEst	3647708
AI142021	DBEst	3649478
AI144010	DBEst	3665819
AI144292	DBEst	3666101
AI147850	DBEst	3675532
AI149528	DBEst	3677997
AI150623	DBEst	3679092
AI150931	DBEst	3679400
AI151207	DBEst	3679676
AI160151	DBEst	3693531
AI167394	DBEst	3700564
AI174595	DBEst	3721448
AI174750	DBEst	6361128
AI174904	DBEst	6361308
AI184237	DBEst	3734875
AI185018	DBEst	3735656
AI185821	DBEst	3736459
AI186216	DBEst	3736854
AI186468	DBEst	3737106
AI187334	DBEst	3737972
AI190288	DBEst	3741497
AI192630	DBEst	3743839
AI200038	DBEst	3752644
AI201119	DBEst	3753725
AI204275	DBEst	3756881
AI204557	DBEst	3757163
AI204572	DBEst	3757178
AI204698	DBEst	3757304
AI206250	DBEst	3764922
AI208783	DBEst	3770725
AI214206	DBEst	3777807
AI214239	DBEst	3777840
AI214375	DBEst	3777976
AI214600	DBEst	3778201
AI216188	DBEst	3785229
AI216966	DBEst	3789620
AI216969	DBEst	3789623
AI216971	DBEst	3789625
AI216990	DBEst	3789644
AI217003	DBEst	3789657
AI217019	DBEst	3789673
AI217035	DBEst	3789689
AI219738	DBEst	3801941
AI224982	DBEst	3807695
AI239983	DBEst	3835380

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ACC NUM	DATABASE	GI NBR
AI241819	DBEst	3837216
AI245973	DBEst	3841370
AI246677	DBEst	3842074
AI249386	DBEst	3845915
AI252627	DBEst	3849156
AI253288	DBEst	3850409
AI253292	DBEst	3850413
AI253330	DBEst	3850451
AI253335	DBEst	3850456
AI253338	DBEst	3850459
AI253369	DBEst	3850490
AI253379	DBEst	3850500
AI253394	DBEst	3850349
AI253424	DBEst	3850379
AI253436	DBEst	3850391
AI264159	DBEst	3872362
AI267162	DBEst	3886329
AI267185	DBEst	3886352
AI267198	DBEst	3886365
AI267216	DBEst	3886383
AI267232	DBEst	3886399
AI267254	DBEst	3886421
AI267269	DBEst	3886436
AI267282	DBEst	3886449
AI267285	DBEst	3886452
AI267307	DBEst	3886474
AI267318	DBEst	3886485
AI267349	DBEst	3886516
AI267454	DBEst	3886621
AI267461	DBEst	3886628
AI267490	DBEst	3886657
AI267492	DBEst	3886659
AI267502	DBEst	3886669
AI267574	DBEst	3886741
AI267583	DBEst	3886750
AI267612	DBEst	3886779
AI267664	DBEst	3886831
AI268864	DBEst	3888031
AI269205	DBEst	3888372
AI273681	DBEst	3895949
AI274813	DBEst	3897087
AI275001	DBEst	3897275
AI275175	DBEst	3897449
AI276013	DBEst	3898287
AI276440	DBEst	3898714
AI278765	DBEst	3916999
AI279596	DBEst	3917830
AI285111	DBEst	3923344
AI286236	DBEst	3924469
AI298658	DBEst	3958394
AI298966	DBEst	3958620
AI299110	DBEst	3958764
AI299874	DBEst	3957782
AI300658	DBEst	3960004
AI301527	DBEst	3960873
AI302616	DBEst	3961962

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ACC NUM	DATABASE	GI NBR
AI302665	DBEst	3962011
AI307446	DBEst	4002171
AI307503	DBEst	4002228
AI307504	DBEst	4002229
AI307569	DBEst	4002294
AI308104	DBEst	4002739
AI309401	DBEst	4004272
AI309431	DBEst	4004302
AI309843	DBEst	4004714
AI309982	DBEst	4004853
AI334047	DBEst	4070606
AI338009	DBEst	4074936
AI339096	DBEst	4076023
AI339387	DBEst	4076314
AI339907	DBEst	4076834
AI340582	DBEst	4077509
AI341138	DBEst	4078065
AI341798	DBEst	4078725
AI342381	DBEst	4079308
AI342936	DBEst	4080142
AI344277	DBEst	4081483
AI347829	DBEst	4085035
AI349614	DBEst	4086820
AI352494	DBEst	4089700
AI355501	DBEst	4095654
AI355831	DBEst	4095984
AI357427	DBEst	4109048
AI358155	DBEst	4109776
AI359192	DBEst	4110813
AI360684	DBEst	4112305
AI361025	DBEst	4112646
AI361441	DBEst	4113062
AI361925	DBEst	4113546
AI362081	DBEst	4113702
AI362424	DBEst	4114045
AI364598	DBEst	4124287
AI365387	DBEst	4125076
AI365387	DBEst	4125076
AI365612	DBEst	4125301
AI365612	DBEst	4125301
AI366381	DBEst	4126070
AI366549	DBEst	4126238
AI366549	DBEst	4126238
AI366974	DBEst	4136719
AI374628	DBEst	4174618
AI376829	DBEst	4186682
AI377420	DBEst	4187273
AI377478	DBEst	4187331
AI377650	DBEst	4187503
AI377804	DBEst	4187657
AI379391	DBEst	4189244
AI393289	DBEst	4222836
AI394476	DBEst	4224023
AI400731	DBEst	4243818
AI422167	DBEst	4268098
AI432229	DBEst	4308721

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ACC NUM	DATABASE	GI NBR
AI433157	DBEst	4287209
AI433976	DBEst	4292947
AI434223	DBEst	4294675
AI435039	DBEst	4300387
AI435548	DBEst	4303956
AI435928	DBEst	4306613
AI436456	DBEst	4281845
AI436697	DBEst	4283769
AI436722	DBEst	4283968
AI439762	DBEst	4306588
AI444809	DBEst	5149011
AI452662	DBEst	4286923
AI458145	DBEst	4312151
AI458391	DBEst	4310970
AI458572	DBEst	4311151
AI470023	DBEst	4332113
AI471555	DBEst	4333645
AI471561	DBEst	4333651
AI472757	DBEst	4325802
AI473805	DBEst	4326850
AI476784	DBEst	4329829
AI479289	DBEst	4372457
AI492279	DBEst	4393282
AI499243	DBEst	4391225
AI499393	DBEst	4391375
AI499508	DBEst	4391490
AI500553	DBEst	4392535
AI521059	DBEst	4435194
AI521186	DBEst	4435321
AI521515	DBEst	4435650
AI521964	DBEst	4436099
AI523319	DBEst	4437454
AI524051	DBEst	4438186
AI526075	DBEst	4440193
AI536649	DBEst	4450784
AI536685	DBEst	4450820
AI537303	DBEst	4451438
AI538612	DBEst	4452747
AI538854	DBEst	4452989
AI539002	DBEst	4453137
AI547327	DBEst	4464815
AI564222	DBEst	4522679
AI564503	DBEst	4522960
AI564515	DBEst	4522972
AI564540	DBEst	4522997
AI567087	DBEst	4525539
AI567300	DBEst	4525752
AI568167	DBEst	4531541
AI569583	DBEst	4532957
AI569660	DBEst	4533034
AI571127	DBEst	4534501
AI580254	DBEst	4564630
AI580520	DBEst	4564896
AI582177	DBEst	4568074
AI590227	DBEst	4599275
AI608975	DBEst	4618142

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ACC NUM	DATABASE	GI NBR
AI610362	DBEst	4619529
AI610402	DBEst	4619569
AI610690	DBEst	4619857
AI612913	DBEst	4622080
AI620284	DBEst	4629410
AI621153	DBEst	4630279
AI621209	DBEst	4630335
AI623991	DBEst	4648922
AI624006	DBEst	4648937
AI624434	DBEst	4649365
AI627303	DBEst	4664103
AI627716	DBEst	4664516
AI627893	DBEst	4664693
AI627988	DBEst	4664788
AI628387	DBEst	4665187
AI630387	DBEst	4681717
AI630916	DBEst	4682246
AI631681	DBEst	4683011
AI633125	DBEst	4684455
AI633540	DBEst	4684870
AI633831	DBEst	4685161
AI634852	DBEst	4686182
AI635096	DBEst	4686426
AI635128	DBEst	4686458
AI635335	DBEst	4686665
AI636452	DBEst	4687782
AI638414	DBEst	4690648
AI640370	DBEst	4703479
AI651578	DBEst	4735557
AI651939	DBEst	4735918
AI652653	DBEst	4736632
AI653371	DBEst	4737350
AI653410	DBEst	4737389
AI654807	DBEst	4738786
AI655684	DBEst	4739663
AI656212	DBEst	4740191
AI669769	DBEst	4834543
AI671394	DBEst	4851125
AI674702	DBEst	4875182
AI675562	DBEst	4876042
AI678099	DBEst	4888281
AI678672	DBEst	4888854
AI679771	DBEst	4889953
AI682417	DBEst	4892599
AI687127	DBEst	4898421
AI687362	DBEst	4898656
AI692479	DBEst	4969819
AI693146	DBEst	4970486
AI693381	DBEst	4970721
AI693398	DBEst	4970738
AI703380	DBEst	4991280
AI721185	DBEst	5038441
AI721187	DBEst	5038443
AI739567	DBEst	5101548
AI740561	DBEst	5108849
AI741355	DBEst	5109643

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ACC NUM	DATABASE	GI NBR
AI741872	DBEst	5110247
AI742046	DBEst	5110334
AI742680	DBEst	5110968
AI743303	DBEst	5111591
AI743615	DBEst	5111903
AI743745	DBEst	5112033
AI744612	DBEst	5112989
AI745422	DBEst	5113710
AI745670	DBEst	5113958
AI753009	DBEst	5131273
AI758320	DBEst	5152043
AI758869	DBEst	5152594
AI761213	DBEst	5176880
AI761759	DBEst	5177515
AI762894	DBEst	5178561
AI763126	DBEst	5178793
AI763355	DBEst	5179022
AI766666	DBEst	5233175
AI767729	DBEst	5234238
AI768854	DBEst	5235363
AI792109	DBEst	5339825
AI793011	DBEst	5340727
AI796566	DBEst	5362029
AI797593	DBEst	5363065
AI798461	DBEst	5363933
AI799364	DBEst	5364836
AI800762	DBEst	5366234
AI802826	DBEst	5368298
AI804432	DBEst	5369904
AI805385	DBEst	5391951
AI809653	DBEst	5396219
AI811466	DBEst	5398032
AI813671	DBEst	5424886
AI815057	DBEst	5426272
AI815383	DBEst .	5430929
AI818007	DBEst	5437076
AI818488	DBEst	5437567
AI824517	DBEst	5445188
AI828220	DBEst	5448891
AI829571	DBEst	5450242
AI830378	DBEst	5451049
AI831514	DBEst	5452185
AI832100	DBEst	5452771
AI833238	DBEst	5455218
AI867679	DBEst	5540695
AI870463	DBEst	5544431
AI871278	DBEst	5545246
AI871591	DBEst	5545640
AI873320	DBEst	5547369
AI887649	DBEst	5592813
AI888953	DBEst	5594117
AI889237	DBEst	5594401
AI889252	DBEst	5594416
AI902307	DBEst	6492603
AI903567	DBEst	6493954
AI904743	DBEst	6495130

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ACC NUM	DATABASE	GI NBR
AI905689	DBEst	6496076
AI909863	DBEst	6500543
AI913247	DBEst	5633021
AI914128	DBEst	5633983
AI916419	DBEst	5636196
AI917253	DBEst	5637108
AI918989	DBEst	5638844
AI919531	DBEst	5639386
AI922198	DBEst	5658162
AI928486	DBEst	5664450
AI934339	DBEst	5673209
AI936201	DBEst	5675071
AI942311	DBEst	5706967
AI950028	DBEst	5742338
AI952360	DBEst	5744670
AI952518	DBEst	5744828
AI963604	DBEst	5756382
AI963654	DBEst	5756293
AI969601	DBEst	5766419
AI971254	DBEst	5768080
AI984755	DBEst	5812032
AI992139	DBEst	5839044
AL036020	DBEst	5405647
AL036021	DBEst	5405648
AL036801	DBEst	5927917
AL037724	DBEst	5407071
AL038058	DBEst	5407366
AL039220	DBEst	5408295
AL040264	DBEst	5409223
AL044978	DBEst	5433163
AL046834	DBEst	5434896
AL046991	DBEst	5936322
AL047516	DBEst	4728512
AL079358	DBEst	5423252
AL079742	DBEst	5435318
AL118581	DBEst	5924480
AL119494	DBEst	5925393
AL120851	DBEst	5926852
AL121515	DBEst	5927516
AW009422	DBEst	5858200
AW009635	DBEst	5858413
AW014686	DBEst	5863443
AW022635	DBEst	5876165
AW025141	DBEst	5878671
AW027283	DBEst	5886039
AW027341	DBEst	5886097
AW028184	DBEst	5886940
AW028594	DBEst	5887350
AW051352	DBEst	5913622
AW055075	DBEst	5920778
AW062323	DBEst	6013708
AW062867	DBEst	6014252
AW068111	DBEst	6023109
AW070394	DBEst	6025392
AW070854	DBEst	6025852
AW073699	DBEst	6028697

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ACC NUM	DATABASE	GI NBR
AW074172	DBEst	6029170
AW075413	DBEst	6030498
AW079267	DBEst	6034419
AW079699	DBEst	6034851
AW080346	DBEst	6035498
AW080738	DBEst	6035815
AW080948	DBEst	6036100
AW084572	DBEst	6039724
AW084937	DBEst	6040089
AW088043	DBEst	6043848
AW102765	DBEst	6073378
AW102841	DBEst	6073454
AW103017	DBEst	6073632
AW104724	DBEst	6075459
AW105459	DBEst	6076198
AW129909	DBEst	6127349
AW130193	DBEst	6131798
AW130272	DBEst	6131877
AW134828	DBEst	6138374
AW138167	DBEst	6142567
AW138413	DBEst	6142731
AW139660	DBEst	6144378
AW149390	DBEst	6197286
AW151732	DBEst	6199630
AW160834	DBEst	6299867
AW162311	DBEst	6301344
AW163183	DBEst	6302216
AW182534	DBEst	6450994
AW188763	DBEst	6463199
AW193689	DBEst	6472388
AW194691	DBEst	6473583
AW197744	DBEst	6476974
AW206445	DBEst	6505941
AW237962	DBEst	6570351
AW237984	DBEst	6570373
AW238080	DBEst	6570469
AW238366	DBEst	6570755
AW238421	DBEst	6570810
AW238730	DBEst	6571119
AW238764	DBEst	6571153
AW262272	DBEst	6639088
AW262626	DBEst	6639442
AW265101	DBEst	6641917
AW273276	DBEst	6660306
AW274567	DBEst	6661597
AW291143	DBEst	6697779
AW291884	DBEst	6698520
AW294882	DBEst	6701518
AW296725	DBEst	6703361
AW298799	DBEst	6705435
AW327386	DBEst	6797881
AW328497	DBEst	6798993
AW360981	DBEst	6865631
AW361269	DBEst	6865919
AW368857	DBEst	6873507
AW369579	DBEst	6874233

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ACC NUM	DATABASE	GI NBR
AW370387	DBEst	6875041
AW373761	DBEst	6878415
AW377512	DBEst	6882175
AW380115	DBEst	6884774
AW382923	DBEst	6887582
AW393932	DBEst	6898591
AW402446	DBEst	6921132
AW405651	DBEst	6924708
AW409700	DBEst	6935174
AW410110	DBEst	6935651
AW474534	DBEst	7044640
AW498854	DBEst	7137155
AW517994	N/A	N/A
C00034	DBEst	1432264
C06036	DBEst	1502812
C14781	DBEst	1569488
D51360	DBEst	951596
D63233	DBEst	966902
F09531	DBEst	682064
H05941	DBEst	869493
H12452	DBEst	877272
H14423	DBEst	879243
H15339	DBEst	880159
H15640	DBEst	880460
H17240	DBEst	883480
H17532	DBEst	883772
H52090	DBEst	991931
H52812	DBEst	992808
H56978	DBEst	1009810
H60163	DBEst	1012995
H62133	DBEst	1014965
H66019	DBEst	1024759
H71076	DBEst	1042892
H78370	DBEst	1056459
H81290	DBEst	1059379
H81426	DBEst	1059515
N27513	DBEst	1141994
N32666	DBEst	1153065
N35890	DBEst	1157032
N41323	DBEst	1165354
N44865	DBEst	1186031
N47636	DBEst	1188802
N49469	DBEst	1190635
N49477	DBEst	1190643
N49922	DBEst	1191088
N51344	DBEst	1192510
N57017	DBEst	1200907
N69445	DBEst	1225606
N74264	DBEst	1231549
N74921	DBEst	1237467
N79217	DBEst	1241918
N90704	DBEst	1444031
N92507	DBEst	1264816
R12994	DBEst	766070
R15245	DBEst	769518
R17267	DBEst	770877

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ACC NUM	DATABASE	GI NBR
R43752	DBEst	823603
R45177	DBEst	823531
R51669	DBEst	813571
R52729	DBEst	814631
R71884	DBEst	845916
R78710	DBEst	854991
R80488	DBEst	856769
R92083	DBEst	959623
R96897	DBEst	982557
T05657	DBEst	316807
T08287	DBEst	389315
T15530	DBEst	517692
T19106	DBEst	601149
T28214	DBEst	610312
T32551	DBEst	614649
T71092	DBEst	685613
W03366	DBEst	1275317
W05174	DBEst	1277895
W05440	DBEst	1278162
W19723	DBEst	1295622
W19883	DBEst	1295812
W22178	DBEst	1299060
W25057	DBEst	1302922
W26354	DBEst	1306909
W38676	DBEst	1320381
W48698	DBEst	1336876
W52085	DBEst	1349282
W58061	DBEst	1364774
W60916	DBEst	1367791
W63701	DBEst	1371350
W67441	DBEst	1376351
W78809	DBEst	1389356
W79102	DBEst	1390538
Z30065	DBEst	454952
Z43084	DBEst	570665
Q06061	N/A	N/A
Q31691	N/A	N/A
Q37741	N/A	N/A
V44866	N/A	N/A
V52850	N/A	N/A
V58361	N/A	N/A
V59600	N/A	N/A
V84423	N/A	N/A
V84526	N/A	N/A
V84537	N/A	N/A
X04366	GenBank	29663
X23980	N/A	N/A
X27419	N/A	N/A
X27438	N/A	N/A
X37380	N/A	N/A
X37385	N/A	N/A
X84935	GenBank	1502329
X84983	GenBank	1488593
X89854	GenBank	927383
X97741	GenBank	1732012
Z00455	N/A	N/A

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ACC NUM	DATABASE	GI NBR
Z16433	GenBank	22964
Z16766	GenBank	23340
Z17163	GenBank	23791
Z18355	DBEst	30767
Z18356	DBEst	30768
Z21102	DBEst	27845
Z24626	GenBank	394995
Z24865	DBEst	395503
Z24872	DBEst	395510
Z28452	DBEst	434088
Z33949	DBEst	496436
AC00625	N/A	N/A
AC31122	N/A	N/A
AC31449	N/A	N/A
AC32748	N/A	N/A
AC34250	N/A	N/A
AC36074	N/A	N/A
AC36084	N/A	N/A
AC36088	N/A	N/A
AC36099	N/A	N/A
AC36100	N/A	N/A
AC36117	N/A	N/A
AC36119	N/A	N/A
AC36127	N/A	N/A
AC36141	N/A	N/A
AC36175	N/A	N/A
AC36179	N/A	N/A
AC36180	N/A	N/A
AC36195	N/A	N/A
AC36201	N/A	N/A
AC36206	N/A	N/A
AC36214	N/A	N/A
AC36215	N/A	N/A
AC36694	N/A	N/A
AC36731	N/A	N/A
AC36747	N/A	N/A
AC36788	N/A	N/A
AC36813	N/A	N/A
AC36927	N/A	N/A
AC37170	N/A	N/A
A02759	GenBank	345130
A16796	GenBank	579569
A26609	GenBank	1247462
A32135	GenBank	1567303
A38807	GenBank	2295237
A42048	GenBank	2297542
A48430	GenBank	2302221
A61385	GenBank	3715797
A89694	GenBank	6738247
AB000115	GenBank	2564034
AB000276	GenBank	2588975
AB000468	GenBank	1843400
AB000516	GenBank	2723379
AB001106	GenBank	1850083
AB001636	GenBank	2696612
AB002155	GenBank	6682736

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ACC NUM	DATABASE	GI NBR
AB002306	GenBank	2224556
AB002347	GenBank	2224638
AB002382	GenBank	2224708
AB002387	GenBank	2224718
AB003102	GenBank	1945608
AB003730	GenBank	2627128
AB004857	GenBank	2911111
AB005289	GenBank	3228278
AB006534	GenBank	2924619
AB006746	GenBank	3510296
AB007152	GenBank	3077747
AB007619	GenBank	2465179
AB007856	GenBank	2662072
AB007858	GenBank	2662076
AB007940	GenBank	3413903
AB007976	GenBank	3413951
AB008681	GenBank	2760152
AB009284	GenBank	2723392
AB009398	GenBank	3618342
AB010874	GenBank	3298434
AB010882	GenBank	2967451
AB011108	GenBank	3043595
AB011154	GenBank	3043687
AB011169	GenBank	3043717
AB014524	GenBank	3327061
AB014525	GenBank	3327063
AB016533	GenBank	4586430
AB017018	GenBank	4512253
AB018080	GenBank	3978556
AB018266	GenBank	3882166
AB018289	GenBank	3882212
AB018305	GenBank	3882244
AB018313	GenBank	3882260
AB018319	GenBank	3882272
AB018327	GenBank	3882288
AB019392	GenBank	4587122
AB019435	GenBank	4760646
AB019494	GenBank	4760548
AB019564	GenBank	3885367
AB019568	GenBank	3885371
AB019691	GenBank	5051742
AB020018	GenBank	6456471
AB020658	GenBank	4240190
AB020680	GenBank	4240234
AB020715	GenBank	4240304
AB020981	GenBank	4996287
AB021288	GenBank	4038732
AB023057	GenBank	5672626
AB023157	GenBank	4589523
AB023182	GenBank	4589573
AB023187	GenBank	4589583
AB023199	GenBank	4589607
AB023209	GenBank	4589627
AB023224	GenBank	4589657
AB023230	GenBank	4589675
AB024327	GenBank	4519416

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ACC NUM	DATABASE	GI NBR
AB024435	GenBank	4520137
AB024703	GenBank	5931544
AB024704	GenBank	4589928
AB028641	GenBank	6527111
AB028991	GenBank	5689472
AB029005	GenBank	5689500
AB029039	GenBank	5689568
AB029497	GenBank	5381270
AB032252	GenBank	6683493
AB032255	GenBank	6683499
AB032948	GenBank	6329727
AB032959	GenBank	6329832
AB032983	GenBank	6330128
AB033047	GenBank	6330603
AB033048	GenBank	6330610
AB033058	GenBank	6330721
AB033061	GenBank	6330743
AB033069	GenBank	6330811
AB033078	GenBank	6330873
AB033079	GenBank	6382025
AB033082	GenBank	6330910
AB033094	GenBank	6331212
AB033899	GenBank	6174679
AB033906	GenBank	6174700
AB037844	GenBank	7243226
AC000024	GenBank	2995601
AC000064	GenBank	1669369
AC000394	GenBank	2133911
AC002050	GenBank	7230795
AC002086	GenBank	2085785
AC002094	GenBank	2155224
AC002097	GenBank	2599241
AC002309	GenBank	7143426
AC002403	GenBank	2598081
AC002420	GenBank	2822134
AC002476	GenBank	2340101
AC002540	GenBank	2393736
AC002543	GenBank	3645947
AC003029	GenBank	3366554
AC003041	GenBank	3264572
AC003043	GenBank	2828776
AC003086	GenBank	2588618
AC003108	GenBank	2833632
AC003682	GenBank	3264845
AC003983	GenBank	2769694
AC004003	GenBank	2772557
AC004010	GenBank	2781385
AC004054	GenBank	3298531
AC004059	GenBank	4263637
AC004080	GenBank	2822164
AC004106	GenBank	3150276
AC004139	GenBank	3513309
AC004148	GenBank	3482960
AC004185	GenBank	3924650
AC004210	GenBank	3327406
AC004383	GenBank	2944111

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ACC NUM	DATABASE	GI NBR
AC004386	GenBank	3046272
AC004416	GenBank	2979585
AC004456	GenBank	2979597
AC004510	GenBank	2996651
AC004540	GenBank	3041850
AC004583	GenBank	3293210
AC004650	GenBank	3097834
AC004774	GenBank	3169209
AC004821	GenBank	4753291
AC004876	GenBank	4508148
AC004889	GenBank	4156187
AC004891	GenBank	3638952
AC004923	GenBank	4263742
AC004938	GenBank	3213059
AC004943	GenBank	3924671
AC004976	GenBank	3845408
AC005034	GenBank	3947437
AC005037	GenBank	4827310
AC005046	GenBank	6094632
AC005070	GenBank	3406049
AC005188	GenBank	3264584
AC005208	GenBank	3366585
AC005210	GenBank	6249673
AC005304	GenBank	3341706
AC005317	GenBank	3808082
AC005363	GenBank	3367511
AC005392	GenBank	3399669
AC005406	GenBank	4580403
AC005406	GenBank	4580403
AC005412	GenBank	5931398
AC005484	GenBank	5091654
AC005534	GenBank	4753272
AC005574	GenBank	3510227
AC005587	GenBank	4156166
AC005598	GenBank	4589944
AC005669	GenBank	3702356
AC005722	GenBank	3738108
AC005726	GenBank	3810672
AC005728	GenBank	3935212
AC005752	GenBank	3688076
AC005838	GenBank	3947427
AC005859	GenBank	3928029
AC005870	GenBank	6478898
AC005871	GenBank	6249681
AC005879	GenBank	6249669
AC005880	GenBank	6249667
AC005899	GenBank	3935221
AC005912	GenBank	4165005
AC005924	GenBank	4309926
AC006002	GenBank	3983570
AC006023	GenBank	4753260
AC006047	GenBank	3924651
AC006118	GenBank	3962495
AC006153	GenBank	4309917
AC006160	GenBank	5701616
AC006198	GenBank	4038072

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ACC NUM	DATABASE	GI NBR
AC006211	GenBank	4071020
AC006312	GenBank	4582483
AC006368	GenBank	4753243
AC006369	GenBank	5757529
AC006442	GenBank	4210509
AC006474	GenBank	4454627
AC006515	GenBank	4558536
AC006536	GenBank	4235135
AC006965	GenBank	6560939
AC007014	GenBank	4371263
AC007038	GenBank	5708475
AC007051	GenBank	4432877
AC007055	GenBank	4885691
AC007068	GenBank	4926862
AC007115	GenBank	4895146
AC007172	GenBank	4731066
AC007182	GenBank	5708446
AC007254	GenBank	6560919
AC007372	GenBank	4927301
AC007487	GenBank	4753223
AC007546	GenBank	5668756
AC007738	GenBank	6094647
AC007790	GenBank	5042474
AC007793	GenBank	5051724
AC008040	GenBank	5922025
AC008109	GenBank	6984389
AC008122	GenBank	5931373
AC008124	GenBank	5815491
AC008268	GenBank	6604540
AC009330	GenBank	6553960
AC009464	GenBank	6492471
AC009514	GenBank	6016667
AC018633	GenBank	6729063
AF000231	GenBank	2149974
AF001437	GenBank	2316039
AF001601	GenBank	2228774
AF001628	GenBank	4100618
AF001893	GenBank	2529723
AF003626	GenBank	2121302
AF003924	GenBank	6648589
AF005896	GenBank	2209244
AF006085	GenBank	2282035
AF007153	GenBank	2852633
AF007791	GenBank	3779196
AF008204	GenBank	2618821
AF008442	GenBank	2266928
AF009466	GenBank	2343144
AF011387	GenBank	2654605
AF013758	GenBank	3046899
AF013759	GenBank	3153208
AF013988	GenBank	2318114
AF015040	GenBank	4102704
AF015767	GenBank	2353176
AF017104	GenBank	2736085
AF017257	GenBank	2736086
AF017790	GenBank	2501872

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ACC NUM	DATABASE	GI NBR
AF019226	GenBank	3406426
AF020038	GenBank	3641397
AF020340	GenBank	2746082
AF020591	GenBank	2843170
AF020797	GenBank	9256827
AF022215	GenBank	2583011
AF022799	GenBank	2502076
AF023244	GenBank	4103459
AF023268	GenBank	2564910
AF025440	GenBank	2815607
AF026246	GenBank	2587022
AF026292	GenBank	2559009
AF026939	GenBank	2612967
AF027153	GenBank	2739093
AF027205	GenBank	2598967
AF028832	GenBank	3287488
AF029914	GenBank	2605948
AF030455	GenBank	3169829
AF034607	GenBank	4426566
AF035812	GenBank	2665835
AF036715	GenBank	4007385
AF038451	GenBank	3779225
AF038954	GenBank	3329377
AF039023	GenBank	3064244
AF042084	GenBank	2792517
AF042273	GenBank	3650487
AF042729	GenBank	7770717
AF044956	GenBank	5326827
AF047470	GenBank	2906145
AF050641	GenBank	5326822
AF051894	GenBank	3095110
AF052124	GenBank	3360431
AF052153	GenBank	3360463
AF052577	GenBank	3493208
AF052578	GenBank	2967847
AF054284	GenBank	4033734
AF054838	GenBank	2997740
AF055012	GenBank	3005735
AF055015	GenBank	3005739
AF057160	GenBank	3694919
AF057356	GenBank	3063652
AF058907	GenBank	3790543
AF061292	GenBank	3127141
AF062318	GenBank	3152814
AF062323	GenBank	3152824
AF064257	GenBank	5881960
AF064861	GenBank	3171154
AF065388	GenBank	3152700
AF067724	GenBank	3220238
AF067817	GenBank	3928846
AF068235	GenBank	4321975
AF069765	GenBank	3243032
AF070523	GenBank	3764088
AF070562	GenBank	3387930
AF070640	GenBank	3283913
AF070655	GenBank	4454685

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ACC NUM	DATABASE	GI NBR
AF070662	GenBank	4454699
AF071219	GenBank	3288867
AF071593	GenBank	3249712
AF071738	GenBank	4263875
AF071742	GenBank	3869309
AF074995	GenBank	3377533
AF075061	GenBank	3377602
AF077053	GenBank	4689153
AF077200	GenBank	4679013
AF078861	GenBank	5531836
AF082179	GenBank	6693790
AF083217	GenBank	5639662
AF084555	GenBank	5813858
AF085359	GenBank	5114052
AF085868	GenBank	3483189
AF085987	GenBank	3483332
AF086175	GenBank	3483520
AF086336	GenBank	3483681
AF086352	GenBank	3483697
AF086541	GenBank	3483886
AF088017	GenBank	3523223
AF089744	GenBank	4154282
AF090891	GenBank	6690159
AF091087	GenBank	3860011
AF092092	GenBank	4426602
AF092905	GenBank	6010437
AF093239	GenBank	3661615
AF093535	GenBank	5114106
AF095719	GenBank	6672070
AF097535	GenBank	6165619
AF099149	GenBank	3930775
AF100928	GenBank	4323586
AF101044	GenBank	4877591
AF104015	GenBank	4204686
AF104266	GenBank	5880489
AF107045	GenBank	5006419
AF107405	GenBank	5531903
AF107406	GenBank	5531905
AF109907	GenBank	4050085
AF111713	GenBank	5326796
AF112219	GenBank	4093224
AF113016	GenBank	6642755
AF113676	GenBank	6855600
AF122922	GenBank	4585369
AF124438	GenBank	4838431
AF125098	GenBank	5106991
AF125525	GenBank	4689281
AF126962	GenBank	6469610
AF127761	GenBank	4455128
AF129755	GenBank	5817534
AF129927	GenBank	4558506
AF131742	GenBank	4406554
AF131760	GenBank	4406580
AF131819	GenBank	4406654
AF131838	GenBank	4406677
AF131859	GenBank	4406706

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ACC NUM	DATABASE	GI NBR
AF132937	GenBank	4680644
AF132951	GenBank	4680672
AF133425	GenBank	6434903
AF134726	GenBank	4529886
AF137030	GenBank	6649056
AF137334	GenBank	4583504
AF144755	GenBank	5006628
AF146796	GenBank	6910977
AF147306	GenBank	4761657
AF147330	GenBank	4761681
AF147332	GenBank	4761683
AF150087	GenBank	5107162
AF150100	GenBank	5107187
AF151080	GenBank	7106881
AF151811	GenBank	4929574
AF151833	GenBank	4929618
AF151840	GenBank	4929632
AF151864	GenBank	4929680
AF151865	GenBank	4929682
AF151868	GenBank	4929688
AF151875	GenBank	4929702
AF151895	GenBank	4929742
AF152462	GenBank	5565976
AF155095	GenBank	5360084
AF155100	GenBank	5360094
AF156098	GenBank	5070697
AF161399	GenBank	6841211
AF161431	GenBank	6841275
AF161457	GenBank	6841327
AF161473	GenBank	6841469
AF161512	GenBank	6841547
AF170583	GenBank	6318677
AF172331	GenBank	5764554
AF176702	GenBank	6103642
AF177533	GenBank	5919124
AF178030	GenBank	6539738
AF181071	GenBank	6580978
AF182645	GenBank	5901877
AF187320	GenBank	6164847
AF187554	GenBank	6653225
AF187988	GenBank	6118380
AF188298	GenBank	6176335
AF191298	GenBank	7656642
AF191338	GenBank	6180010
AF192466	GenBank	6581055
AF196971	GenBank	6289080
AF200465	GenBank	6690789
AF203815	GenBank	6979641
AF208043	GenBank	6644296
AF227510	GenBank	6984114
AJ000097	GenBank	3928168
AJ000512	GenBank	2463200
AJ001443	GenBank	6006514
AJ002744	GenBank	6318185
AJ005016	GenBank	3005930
AJ005273	GenBank	3850703

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ACC NUM	DATABASE	GI NBR
AJ007398	GenBank	3668140
AJ010017	GenBank	5738546
AJ010046	GenBank	4127946
AJ010071	GenBank	3483016
AJ010442	GenBank	3954884
AJ011081	GenBank	3646138
AJ222700	GenBank	2665384
AJ223333	GenBank	2894543
AJ224172	GenBank	4107230
AJ224173	GenBank	4107232
AJ224442	GenBank	2911586
AJ225089	GenBank	3451239
AJ271881	GenBank	6966968
AK000168	GenBank	7020079
AK000174	GenBank	7020088
AK000239	GenBank	7020189
AK000260	GenBank	7020221
AK000282	GenBank	7020256
AK000339	GenBank	7020357
AK000462	GenBank	7020566
AK000734	GenBank	7021005
AK001154	GenBank	7022228
AK001364	GenBank	7022577
AK001539	GenBank	7022856
AK001583	GenBank	7022926
AK001675	GenBank	7023079
AK001679	GenBank	7023087
AK001805	GenBank	7023305
AK002031	GenBank	7023667
AK002130	GenBank	7023821
AL008627	GenBank	2769539
AL009266	GenBank	2664428
AL021917	GenBank	9367203
AL021938	GenBank	3242170
AL021997	GenBank	3169112
AL022101	GenBank	3171895
AL022238	GenBank	4176442
AL022310	GenBank	3646083
AL022398	GenBank	3355547
AL022728	GenBank	3334710
AL024507	GenBank	5791492
AL031058	GenBank	3395507
AL031295	GenBank	4376011
AL031296	GenBank	4106564
AL031387	GenBank	4493578
AL031427	GenBank	4835258
AL031589	GenBank	4914506
AL031591	GenBank	6006484
AL031734	GenBank	5650596
AL031779	GenBank	5123594
AL033384	GenBank	4455570
AL033522	GenBank	4191258
AL034343	GenBank	5931807
AL034386	GenBank	4753755
AL034430	GenBank	9795189
AL035402	GenBank	4581418

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ACC NUM	DATABASE	GI NBR
AL035408	GenBank	4775616
AL035410	GenBank	4775617
AL035424	GenBank	4493492
AL035447	GenBank	9408719
AL035661	GenBank	6015535
AL035681	GenBank	4902689
AL035701	GenBank	5679754
AL049383	GenBank	4500172
AL049442	GenBank	4500222
AL049471	GenBank	4500266
AL049540	GenBank	5441688
AL049610	GenBank	5679448
AL049705	GenBank	4678821
AL049757	GenBank	6002325
AL049824	GenBank	4902781
AL049829	GenBank	8217859
AL049951	GenBank	4884198
AL050064	GenBank	4884294
AL050089	GenBank	4884107
AL050179	GenBank	4884392
AL050197	GenBank	4884434
AL050228	GenBank	4884472
AL050258	GenBank	4886426
AL050265	GenBank	4886440
AL050308	GenBank	5262922
AL050353	GenBank	4914574
AL050373	GenBank	4914577
AL079288	GenBank	5102747
AL080066	GenBank	5262473
AL080102	GenBank	5262526
AL080116	GenBank	5262544
AL080185	GenBank	5262662
AL080202	GenBank	5262687
AL080206	GenBank	5262692
AL080312	GenBank	6630798
AL080317	GenBank	5830430
AL096719	GenBank	5419854
AL096773	GenBank	5918011
AL110126	GenBank	5817020
AL110140	GenBank	5817035
AL110141	GenBank	5817036
AL110180	GenBank	5817090
AL110183	GenBank	5817095
AL110196	GenBank	5817114
AL110271	GenBank	5817083
AL117561	GenBank	5912101
AL117563	GenBank	5912112
AL117666	GenBank	5912264
AL121694	GenBank	6318179
AL121734	GenBank	6012988
AL122079	GenBank	6102883
AL122097	GenBank	6102911
AL122115	GenBank	6102938
AL133000	GenBank	6453345
AL133052	GenBank	6453470
AL133163	GenBank	6562367

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ACC NUM	DATABASE	GI NBR
AL133371	GenBank	6634066
AL133500	GenBank	8248740
AL133580	GenBank	6599163
AL133592	GenBank	6599180
AL133611	GenBank	6599222
AL133654	GenBank	6599243
AL135959	GenBank	6635874
AL137515	GenBank	6808173
AL137566	GenBank	6808275
AL137681	GenBank	6807931
AL137733	GenBank	6808264
AL137760	GenBank	6808466
AP000033	GenBank	3132343
AP000038	GenBank	3132348
AP000356	GenBank	5103019
AP000495	GenBank	5926677
AP000509	GenBank	5926696
AP000525	GenBank	5931503
D00596	GenBank	220135
D11466	GenBank	219993
D13639	GenBank	285990
D13645	GenBank	286008
D13666	GenBank	393316
D13748	GenBank	219402
D13866	GenBank	433410
D13892	GenBank	474983
D14658	GenBank	285940
D14663	GenBank	285950
D14665	GenBank	6630617
D14696	GenBank	285962
D14710	GenBank	559324
D16431	GenBank	598955
D21163	GenBank	434758
D21254	GenBank	575577
D21261	GenBank	434762
D21262	GenBank	434764
D25274	GenBank	464185
D25542	GenBank	662389
D26443	GenBank	472828
D28137	GenBank	457563
D28473	GenBank	551621
D28759	GenBank	633074
D29643	GenBank	473936
D30037	GenBank	1060904
D37991	GenBank	1019367
D38112	GenBank	644480
D38524	GenBank	633070
D38552	GenBank	559712
D38555	GenBank	559716
D43951	GenBank	603956
D45198	GenBank	971271
D45248	GenBank	1008914
D50372	GenBank	2605593
D50919	GenBank	1469180
D50926	GenBank	1469194
D63875	GenBank	961441

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ACC NUM	DATABASE	GI NBR
D63877	GenBank	961445
D79986	GenBank	1136389
D79997	GenBank	1136409
D80000	GenBank	1136415
D80005	GenBank	1136425
D80007	GenBank	1136429
D86227	GenBank	2081619
D86958	GenBank	1503989
D86978	GenBank	1504029
D86985	GenBank	6634002
D86996	GenBank	2114222
D87453	GenBank	1665794
D87454	GenBank	1665796
D87666	GenBank	1620016
D87667	GenBank	1620019
D89640	GenBank	2696095
D90226	GenBank	219946
E00195	GenBank	2168491
E00410	GenBank	2168693
E01094	GenBank	2169353
E01650	GenBank	2169903
E01662	GenBank	2169915
E01915	GenBank	2170164
E02628	GenBank	2170856
E03414	GenBank	2171630
E05293	GenBank	2173483
E07218	GenBank	2175359
E12457	GenBank	3251290
E13203	GenBank	3252008
E13330	GenBank	3252135
J00126	GenBank	187723
J00200	GenBank	188411
J02619	GenBank	177835
J02642	GenBank	182862
J02770	GenBank	182606
J02908	GenBank	178854
J03040	GenBank	338312
J03198	GenBank	183224
J03209	GenBank	188618
J03473	GenBank	337423
J03507	GenBank	179715
J03575	GenBank	189737
J03827	GenBank	340418
J04080	GenBank	179645
J04088	GenBank	292829
J04137	GenBank	177782
J04164	GenBank	177801
J04607	GenBank	339666
J04794	GenBank	178480
J04970	GenBank	5809681
J04977	GenBank	186791
J04991	GenBank	189425
J05013	GenBank	182417
J05036	GenBank	181193
J05068	GenBank	307478
J05412	GenBank	190980

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ACC NUM	DATABASE	GI NBR
K03020	GenBank	189936
L00160	GenBank	189904
L03427	GenBank	179336
L06237	GenBank	437000
L07540	GenBank	190153
L07633	GenBank	186512
L08048	GenBank	184250
L08441	GenBank	179295
L10284	GenBank	186522
L11005	GenBank	438655
L11667	GenBank	348909
L13806	GenBank	306554
L13972	GenBank	410225
L13977	GenBank	431320
L20941	GenBank	507251
L22520	GenBank	348015
L25591	GenBank	452074
L29008	GenBank	496077
L31573	GenBank	508501
L33930	GenBank	500848
L34363	GenBank	508653
L38951	GenBank	893287
L39945	GenBank	703081
L43509	GenBank	896282
L43821	GenBank	1294780
L44140	GenBank	1203968
L49399	GenBank	1381109
M10906	GenBank	337747
M11353	GenBank	184092
M12937	GenBank	182506
M14083	GenBank	189566
M14505	GenBank	456426
M14630	GenBank	339690
M14661	GenBank	188323
M14745	GenBank	179370
M15799	GenBank	181462
M16247	GenBank	178044
M16660	GenBank	184420
M17885	GenBank	190231
M17987	GenBank	179316
M18963	GenBank	190978
M18981	GenBank	179767
M22382	GenBank	190126
M22918	GenBank	189019
M23613	GenBank	189271
M23698	GenBank	758678
M23699	GenBank	758680
M24194	GenBank	187701
M24594	GenBank	186262
M24895	GenBank	537511
M25160	GenBank	189059
M25246	GenBank	340233
M26152	GenBank	1160968
M26481	GenBank	619789
M28099	GenBank	182415
M30817	GenBank	188900

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ACC NUM	DATABASE	GI NBR
M30818	GenBank	188902
M31452	GenBank	190501
M32110	GenBank	189421
M32246	GenBank	180916
M32306	GenBank	181132
M33011	GenBank	182895
M33146	GenBank	181070
M33882	GenBank	190135
M33907	GenBank	184196
M34088	GenBank	182122
M35252	GenBank	180925
M37499	GenBank	188886
M37583	GenBank	184059
M37716	GenBank	338266
M38690	GenBank	1048988
M57703	GenBank	187445
M58485	GenBank	180154
M59979	GenBank	189886
M61831	GenBank	178276
M62810	GenBank	188563
M64241	GenBank	190813
M73837	GenBank	188685
M74777	GenBank	180082
M77693	GenBank	338391
M83248	GenBank	189150
M84349	GenBank	180149
M84424	GenBank	181203
M84762	GenBank	181609
M87284	GenBank	338651
M87503	GenBank	184652
S61826	GenBank	385936
S67310	GenBank	452937
S69002	GenBank	545407
S70290	GenBank	546602
S73490	GenBank	688232
S82240	GenBank	1839516
U00238	GenBank	404860
U02493	GenBank	407307
U03688	GenBank	501030
U07561	GenBank	514262
U09813	GenBank	1008454
U09955	GenBank	607794
U10248	GenBank	984280
U10323	GenBank	532312
U12404	GenBank	531170
U13616	GenBank	608024
U14394	GenBank	608128
U14966	GenBank	550012
U16738	GenBank	608516
U16799	GenBank	806753
U17163	GenBank	596005
U18422	GenBank	604478
U21858	GenBank	841307
U22815	GenBank	930340
U25997	GenBank	3006202
U27768	GenBank	1216372

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ACC NUM	DATABASE	GI NBR
U28042	GenBank	1142709
U34994	GenBank	6525311
U37547	GenBank	1145292
U38784	GenBank	1574947
U39400	GenBank	1234796
U41060	GenBank	1256000
U41384	GenBank	1145886
U46570	GenBank	1688073
U47674	GenBank	3860239
U47924	GenBank	1633547
U52969	GenBank	1568614
U54558	GenBank	2351377
U54562	GenBank	2351381
U54804	GenBank	1543067
U57911	GenBank	1405359
U59919	GenBank	1633620
U60259	GenBank	4204962
U60261	GenBank	4204966
U60666	GenBank	1390022
U61397	GenBank	1518693
U61847	GenBank	1575365
U63743	GenBank	1695881
U65011	GenBank	1903383
U67122	GenBank	1762972
U69668	GenBank	1850341
U70981	GenBank	1621394
U72935	GenBank	1778349
U73843	GenBank	1841522
U73945	GenBank	1755147
U73960	GenBank	1763290
U77085	GenBank	1684789
U78107	GenBank	1685287
U78303	GenBank	6648546
U80460	GenBank	2341006
U82130	GenBank	1772663
U83857	GenBank	2623760
U90268	GenBank	2149601
U90546	GenBank	2062693
U90916	GenBank	1913897
U91321	GenBank	2951946
U91323	GenBank	3582311
U91327	GenBank	1871209
U95367	GenBank	2197000
V00518	GenBank	31868
X01630	GenBank	28871
X02530	GenBank	33917
X03559	GenBank	28939
X04201	GenBank	37429
X06272	GenBank	30865
X07819	GenBank	35798
X07820	GenBank	36628
X12433	GenBank	32451
X13694	GenBank	35147
X13923	GenBank	30294
X15187	GenBank	37260
X52142	GenBank	30292

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ACC NUM	DATABASE	GI NBR
X54304	GenBank	34755
X54326	GenBank	31957
X55733	GenBank	288099
X56351	GenBank	28582
X57398	GenBank	35526
X59131	GenBank	3776087
X59244	GenBank	38031
X59543	GenBank	36064
X60489	GenBank	31099
X60653	GenBank	32116
X60673	GenBank	28576
X63432	GenBank	28335
X68277	GenBank	29980
X69150	GenBank	38422
X69962	GenBank	296587
X70649	GenBank	3123573
X72727	GenBank	460788
X73902	GenBank	452754
X76057	GenBank	416016
X80910	GenBank	531475
X81892	GenBank	2117160
X86098	GenBank	899293
X86691	GenBank	1107695
X87241	GenBank	1107686
X87344	GenBank	1054740
X92744	GenBank	1617087
X94910	GenBank	3413292
X95762	GenBank	2584786
X96698	GenBank	1418766
X97674	GenBank	1877214
X97675	GenBank	1834512
X98296	GenBank	1666074
X98494	GenBank	2230872
X99886	GenBank	1905800
Y00282	GenBank	36048
Y00711	GenBank	34328
Y08134	GenBank	1552274
Y08564	GenBank	1934911
Y10183	GenBank	3183974
Y13620	GenBank	2181877
Y14486	GenBank	5830437
Y15994	GenBank	2924323
Z11531	GenBank	31103
Z11773	GenBank	36602
Z13009	GenBank	31072
Z23064	GenBank	3256006
Z24724	GenBank	505034
Z25521	GenBank	396704
Z26317	GenBank	416177
Z29330	GenBank	483537
Z34289	GenBank	663007
Z36849	GenBank	533963
Z48579	GenBank	1616600
Z48950	GenBank	761715
Z68289	GenBank	1134843
Z70660	GenBank	1418931

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ACC NUM	DATABASE	GI NBR
Z75331	GenBank	2204214
Z85986	GenBank	4034056
Z97832	GenBank	6065887
Z97989	GenBank	2760549
Z98049	GenBank	2462401
Z98257	GenBank	2956660
Z98750	GenBank	2887277
Z99127	GenBank	2653426
Z99128	GenBank	3135974
Z99289	GenBank	3168992
AA001819	DBEst	1445633
AA007370	DBEst	1463374
AA013031	DBEst	1474217
AA019734	DBEst	1483044
AA021403	DBEst	1485085
AA021512	DBEst	1485202
AA025139	DBEst	1490053
AA025432	DBEst	1490914
AA025795	DBEst	1491415
AA025929	DBEst	1491276
AA026038	DBEst	1491320
AA027903	DBEst	1493990
AA029157	DBEst	1496559
AA035667	DBEst	1507620
AA036745	DBEst	1509643
AA037172	DBEst	1512332
AA037886	DBEst	1513022
AA040405	DBEst	1516766
AA040820	DBEst	1517098
AA043433	DBEst	1521356
AA044205	DBEst	1522062
AA044209	DBEst	1522066
AA045605	DBEst	1525350
AA045888	DBEst	1525783
AA046621	DBEst	1524706
AA046864	DBEst	1524763
AA046979	DBEst	1524877
AA046981	DBEst	1524879
AA053661	DBEst	1544588
AA053819	DBEst	1544754
AA053923	DBEst	1544867
AA054054	DBEst	1544978
AA055329	DBEst	1547732
AA055858	DBEst	1548196
AA056409	DBEst	1548894
AA056525	DBEst	1548865
AA057790	DBEst	1550441
AA059124	DBEst	1552142
AA065267	DBEst	1929267
AA065332	DBEst	1929212
AA069759	DBEst	1577309
AA071299	DBEst	1578661
AA075045	DBEst	1614915
AA075181	DBEst	1615051
AA075460	DBEst	1615331
AA075494	DBEst	1615364

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ACC NUM	DATABASE	GI NBR
AA136096	DBEst	1697324
AA136204	DBEst	1697414
AA143022	DBEst	1712399
AA143243	DBEst	1712614
AA146587	DBEst	1716071
AA146589	DBEst	1716073
AA146792	DBEst	1716174
AA146916	DBEst	1716336
AA147826	DBEst	1717198
AA147887	DBEst	1717513
AA148159	DBEst	1717541
AA149518	DBEst	1720336
AA150814	DBEst	1722326
AA150886	DBEst	1722397
AA152277	DBEst	1721680
AA155862	DBEst	1727497
AA156901	DBEst	1728581
AA159272	DBEst	1734074
AA159307	DBEst	1734155
AA160149	DBEst	1734597
AA160259	DBEst	1734836
AA164324	DBEst	1741289
AA164369	DBEst	1741316
AA165091	DBEst	1740319
AA165097	DBEst	1740325
AA165292	DBEst	1740520
AA165632	DBEst	1741665
AA165665	DBEst	1741716
AA166730	DBEst	1745177
AA167826	DBEst	1744977
AA169778	DBEst	1748113
AA171424	DBEst	1750751
AA171679	DBEst	1750755
AA171964	DBEst	1751023
AA172141	DBEst	1751200
AA173600	DBEst	1753750
AA180504	DBEst	1761786
AA181580	DBEst	1765046
AA182446	DBEst	1766144
AA186658	DBEst	1774757
AA186987	DBEst	1775089
AA187396	DBEst	1773622
AA188203	DBEst	1774387
AA192465	DBEst	1781687
AA193098	DBEst	1782495
AA193557	DBEst	1782958
AA195007	DBEst	1784709
AA195029	DBEst	1784731
AA195178	DBEst	1784909
AA196661	DBEst	1792244
AA199862	DBEst	1795569
AA203110	DBEst	1798853
AA203113	DBEst	1798865
AA203416	DBEst	1799143
AA203417	DBEst	1799144
AA205038	DBEst	1803055

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ACC NUM	DATABASE	GI NBR
AA206172	DBEst	1801543
AA209457	DBEst	1807401
AA211272	DBEst	1809917
AA211400	DBEst	1810054
AA211443	DBEst	1810130
AA211703	DBEst	1810340
AA214213	DBEst	1812832
AA215769	DBEst	1815513
AA223320	DBEst	1843941
AA224269	DBEst	1844828
AA225924	DBEst	1847241
AA226523	DBEst	1847841
AA228295	DBEst	1849866
AA229717	DBEst	1851880
AA232626	DBEst	1855763
AA232993	DBEst	1856117
AA233297	DBEst	1856290
AA234015	DBEst	1858044
AA234050	DBEst	1858191
AA236264	DBEst	1858340
AA236767	DBEst	1860786
AA236815	DBEst	1860853
AA242891	DBEst	1873684
AA243495	DBEst	1874502
AA247242	DBEst	1878811
AA251201	DBEst	1886165
AA251321	DBEst	1886284
AA253153	DBEst	1882917
AA253493	DBEst	1885668
AA256560	DBEst	1892118
AA262387	DBEst	1897628
AA278241	DBEst	1920181
AA278470	DBEst	1920063
AA279189	DBEst	1920719
AA280099	DBEst	1921573
AA280962	DBEst	1923643
AA284199	DBEst	1928483
AA287219	DBEst	1934280
AA287463	DBEst	1933162
AA291716	DBEst	1939695
AA292166	DBEst	1940144
AA292974	DBEst	1940869
AA293132	DBEst	1941172
AA293273	DBEst	1941423
AA295736	DBEst	1948131
AA295982	DBEst	1948378
AA296100	DBEst	1948436
AA297401	DBEst	1949734
AA297402	DBEst	1949735
AA297750	DBEst	1950103
AA297809	DBEst	1950142
AA298980	DBEst	1951332
AA299411	DBEst	1951818
AA299640	DBEst	1951971
AA299962	DBEst	1952292
AA301910	DBEst	1954243

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ACC NUM	DATABASE	GI NBR
AA303264	DBEst	1955617
AA303814	DBEst	1956145
AA305098	DBEst	1957426
AA305331	DBEst	1957895
AA306146	DBEst	1958474
AA306372	DBEst	1958699
AA306763	DBEst	1959091
AA306982	DBEst	1959472
AA307089	DBEst	1959419
AA307108	DBEst	1959438
AA307475	DBEst	1960023
AA307644	DBEst	1959973
AA307717	DBEst	1960115
AA307728	DBEst	1960056
AA308485	DBEst	1960834
AA309624	DBEst	1961951
AA309866	DBEst	1962205
AA310156	DBEst	1962504
AA311006	DBEst	1963405
AA311849	DBEst	1964178
AA312394	DBEst	1964862
AA313348	DBEst	1965697
AA315049	DBEst	1967529
AA315317	DBEst	1967646
AA315689	DBEst	1968107
AA316159	DBEst	1968508
AA316207	DBEst	1968536
AA316423	DBEst	1968973
AA319601	DBEst	1972034
AA320292	DBEst	1972781
AA320417	DBEst	1972745
AA322901	DBEst	1975227
AA329116	DBEst	1981605
AA331264	DBEst	1983508
AA332144	DBEst	1984397
AA333447	DBEst	1985691
AA334311	DBEst	1986554
AA335888	DBEst	1988129
AA336073	DBEst	1988559
AA336367	DBEst	1988799
AA336412	DBEst	1988720
AA337075	DBEst	1989540
AA338097	DBEst	1990334
AA340701	DBEst	1992960
AA341990	DBEst	1994225
AA343753	DBEst	1995990
AA345837	DBEst	1998074
AA347725	DBEst	2000012
AA348339	DBEst	2000576
AA350558	DBEst	2002877
AA354666	DBEst	2007006
AA354928	DBEst	2007246
AA355956	DBEst	2008274
AA356615	DBEst	2008935
AA356831	DBEst	2009150
AA357376	DBEst	2009716

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ACC NUM	DATABASE	GI NBR
AA358887	DBESt	2011207
AA361374	DBESt	2013692
AA362403	DBESt	2014732
AA362778	DBESt	2015169
AA369238	DBESt	2021587
AA372191	DBESt	2024559
AA372344	DBESt	2024896
AA373694	DBESt	2026014
AA379448	DBESt	2031766
AA379871	DBESt	2032433
AA383051	DBESt	2035560
AA393452	DBESt	2046421
AA398560	DBESt	2051669
AA402045	DBESt	2056045
AA402289	DBESt	2056202
AA402945	DBESt	2056698
AA403188	DBESt	2055704
AA404214	DBESt	2058956
AA406034	DBESt	2064035
AA406395	DBESt	2064396
AA411219	DBESt	2068878
AA411599	DBESt	2069132
AA411736	DBESt	2069397
AA412062	DBESt	2070828
AA416873	DBESt	2077011
AA417789	DBESt	2079625
AA418177	DBESt	2079987
AA420758	DBESt	2094637
AA420789	DBESt	2094677
AA421754	DBESt	2100571
AA425167	DBESt	2105959
AA425250	DBESt	2106024
AA425414	DBESt	2106232
AA436517	DBESt	2141431
AA436568	DBESt	2141482
AA441786	DBESt	2153670
AA441787	DBESt	2153671
AA442184	DBESt	2154062
AA442503	DBESt	2154381
AA442556	DBESt	2154434
AA443829	DBESt	2156504
AA444170	DBESt	2155401
AA445911	DBESt	2158576
AA446436	DBESt	2159101
AA446693	DBESt	2159358
AA447170	DBESt	2159835
AA447411	DBESt	2161081
AA449039	DBESt	2163059
AA451923	DBESt	2165592
AA452369	DBESt	2166038
AA453188	DBESt	2166857
AA453727	DBESt	2167396
AA453799	DBESt	2167468
AA453985	DBESt	2167654
AA454492	DBESt	2177268
AA454884	DBESt	2177660

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ACC NUM	DATABASE	GI NBR
AA454912	DBEst	2177688
AA454971	DBEst	2177747
AA454973	DBEst	2177749
AA455069	DBEst	2177845
AA455089	DBEst	2177865
AA455644	DBEst	2178420
AA455916	DBEst	2178692
AA456454	DBEst	2179030
AA456675	DBEst	2179251
AA456721	DBEst	2179297
AA459527	DBEst	2184434
AA460658	DBEst	2185778
AA460816	DBEst	2185936
AA463237	DBEst	2188121
AA465322	DBEst	2191489
AA465494	DBEst	2191661
AA469906	DBEst	2197215
AA469993	DBEst	2197302
AA476688	DBEst	2204899
AA477326	DBEst	2205960
AA477828	DBEst	2206462
AA478710	DBEst	2207344
AA479308	DBEst	2207864
AA480122	DBEst	2208273
AA480512	DBEst	2208663
AA482434	DBEst	2210112
AA482853	DBEst	2211698
AA483243	DBEst	2212056
AA483903	DBEst	2212716
AA485460	DBEst	2214679
AA485467	DBEst	2214686
AA486015	DBEst	2216231
AA486673	DBEst	2216837
AA487468	DBEst	2217632
AA488250	DBEst	2215681
AA488892	DBEst	2218494
AA488964	DBEst	2218566
AA489004	DBEst	2218606
AA489498	DBEst	2219100
AA491776	DBEst	2221338
AA493295	DBEst	2223136
AA493647	DBEst	2223488
AA494295	DBEst	2224082
AA497078	DBEst	2230399
AA501475	DBEst	2236442
AA501945	DBEst	2236912
AA504293	DBEst	2240453
AA504509	DBEst	2240669
AA505321	DBEst	2241458
AA508051	DBEst	2244490
AA513640	DBEst	2252052
AA513789	DBEst	2252210
AA514775	DBEst	2254375
AA515857	DBEst	2255457
AA516035	DBEst	2255635
AA521456	DBEst	2261999

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ACC NUM	DATABASE	GI NBR
AA523877	DBEst	2264805
AA525178	DBEst	2266106
AA527851	DBEst	2269920
AA533029	DBEst	2277125
AA543047	DBEst	2291527
AA552037	DBEst	2322289
AA552441	DBEst	2322695
AA557194	DBEst	2327671
AA558201	DBEst	2328678
AA564674	DBEst	2336313
AA572790	DBEst	2347318
AA573557	DBEst	2348085
AA573778	DBEst	2348293
AA574237	DBEst	2348752
AA576535	DBEst	2354035
AA576920	DBEst	2354394
AA579356	DBEst	2357540
AA579816	DBEst	2358000
AA582093	DBEst	2360771
AA582422	DBEst	2359782
AA582852	DBEst	2360212
AA583306	DBEst	2367915
AA583796	DBEst	2368405
AA586969	DBEst	2397783
AA593864	DBEst	2408542
AA594604	DBEst	2409954
AA594986	DBEst	2410336
AA599051	DBEst	2432676
AA599145	DBEst	2432770
AA604353	DBEst	2445262
AA608996	DBEst	2457424
AA609259	DBEst	2457687
AA609419	DBEst	2457847
AA621289	DBEst	2525228
AA622383	DBEst	2526259
AA622564	DBEst	2526440
AA625165	DBEst	2537550
AA625222	DBEst	2537607
AA625739	DBEst	2538126
AA626681	DBEst	2539068
AA626742	DBEst	2539129
AA627802	DBEst	2539897
AA628088	DBEst	2540087
AA628461	DBEst	2540848
AA628480	DBEst	2540867
AA628907	DBEst	2541294
AA628912	DBEst	2541299
AA629401	DBEst	2541788
AA634925	DBEst	2558139
AA635867	DBEst	2559709
AA635926	DBEst	2559768
AA639042	DBEst	2562821
AA643631	DBEst	2568849
AA643713	DBEst	2568931
AA644624	DBEst	2569842
AA648405	DBEst	2574834

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ACC NUM	DATABASE	GI NBR
AA648989	DBEst	2575418
AA651815	DBEst	2583467
AA653287	DBEst	2589458
AA661860	DBEst	2615951
AA663011	DBEst	2617002
AA663033	DBEst	2617024
AA663188	DBEst	2617179
AA664370	DBEst	2618361
AA664798	DBEst	2619411
AA665210	DBEst	2619823
AA675923	DBEst	2775270
AA693533	DBEst	2694471
AA694050	DBEst	2694988
AA700561	DBEst	2703524
AA702210	DBEst	2705323
AA703053	DBEst	2706166
AA703312	DBEst	2713230
AA705008	DBEst	2714926
AA705516	DBEst	2715434
AA705578	DBEst	2715496
AA706685	DBEst	2716603
AA706716	DBEst	2716634
AA715444	DBEst	2727718
AA716634	DBEst	2728908
AA724381	DBEst	2742088
AA728987	DBEst	2750346
AA747691	DBEst	2787649
AA761356	DBEst	2810286
AA768292	DBEst	2819307
AA773003	DBEst	2824574
AA773889	DBEst	2825460
AA774458	DBEst	2833792
AA775085	DBEst	2834419
AA775616	DBEst	2834950
AA776593	DBEst	2835927
AA778858	DBEst	2838189
AA778901	DBEst	2838232
AA779631	DBEst	2838962
AA779683	DBEst	2839014
AA781195	DBEst	2840526
AA789225	DBEst	2849345
AA806534	DBEst	2875284
AA807199	DBEst	2876775
AA808713	DBEst	2878119
AA810407	DBEst	2875679
AA811131	DBEst	2880742
AA814964	DBEst	2884560
AA824313	DBEst	2896383
AA825497	DBEst	2898809
AA826307	DBEst	2899619
AA828518	DBEst	2901617
AA828577	DBEst	2901676
AA833900	DBEst	2907499
AA835479	DBEst	2909207
AA837305	DBEst	2912504
AA838075	DBEst	2913732

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ACC NUM	DATABASE	GI NBR
AA843176	DBEst	2929694
AA843407	DBEst	2929925
AA845646	DBEst	2933405
AA846576	DBEst	2932716
AA847851	DBEst	2934369
AA861212	DBEst	2953352
AA868174	DBEst	2963619
AA883508	DBEst	2993038
AA884922	DBEst	2994903
AA886231	DBEst	3001339
AA903507	DBEst	3038630
AA904079	DBEst	3039202
AA905621	DBEst	3040744
AA907186	DBEst	3042646
AA917914	DBEst	3057804
AA927399	DBEst	3076296
AA931541	DBEst	3085927
AA931895	DBEst	3086281
AA933777	DBEst	3090045
AA934495	DBEst	3091652
AA938187	DBEst	3096298
AA946653	DBEst	3110048
AA948043	DBEst	3109296
AA953731	DBEst	3116649
AA971611	DBEst	3146901
AA972782	DBEst	3147962
AA974409	DBEst	3149589
AA974878	DBEst	3150670
AA975791	DBEst	3151583
AA983341	DBEst	3161866
AA991398	DBEst	3177887
AF017688	DBEst	2435451
AF063539	DBEst	5080908
AF150268	DBEst	5133704
AI005167	DBEst	3214677
AI022487	DBEst	3237728
AI022771	DBEst	3238012
AI023288	DBEst	3239694
AI023453	DBEst	3239859
AI024079	DBEst	3239123
AI025519	DBEst	3241132
AI034213	DBEst	3255166
AI038673	DBEst	3277867
AI040397	DBEst	3279591
AI041312	DBEst	3280506
AI042584	DBEst	3281778
AI049987	DBEst	3299104
AI051240	DBEst	3306774
AI052686	DBEst	3308677
AI052695	DBEst	3308686
AI056733	DBEst	3330599
AI057034	DBEst	3330823
AI076137	DBEst	3405315
AI079258	DBEst	3415509
AI082244	DBEst	3419036
AI082307	DBEst	3419099

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ACC NUM	DATABASE	GI NBR
AI082688	DBEst	3419480
AI082695	DBEst	3419487
AI082743	DBEst	3417719
AI083909	DBEst	3422332
AI085591	DBEst	3424014
AI087182	DBEst	3425605
AI088778	DBEst	3427837
AI090809	DBEst	3429868
AI095941	DBEst	3434917
AI124700	DBEst	3593214
AI125184	DBEst	3593698
AI125852	DBEst	3594366
AI126647	DBEst	3595161
AI131470	DBEst	3601486
AI133148	DBEst	6360464
AI133208	DBEst	6360524
AI139177	DBEst	3645138
AI143899	DBEst	3665708
AI147221	DBEst	3674903
AI147463	DBEst	3675145
AI147560	DBEst	3675242
AI148389	DBEst	3676858
AI148474	DBEst	3676943
AI184237	DBEst	3734875
AI184275	DBEst	3734913
AI184420	DBEst	3735058
AI185825	DBEst	3736463
AI186216	DBEst	3736854
AI189010	DBEst	3740219
AI192568	DBEst	3743777
AI198861	DBEst	3751467
AI200038	DBEst	3752644
AI201875	DBEst	3754481
AI203342	DBEst	3755948
AI204001	DBEst	3756596
AI204916	DBEst	3757978
AI206483	DBEst	3765155
AI207423	DBEst	6361431
AI215446	DBEst	3784487
AI216969	DBEst	3789623
AI216988	DBEst	3789642
AI217003	DBEst	3789657
AI217725	DBEst	3797540
AI217924	DBEst	3797739
AI219803	DBEst	3802006
AI225137	DBEst	3807850
AI245446	DBEst	3840843
AI247293	DBEst	3842690
AI253142	DBEst	3849671
AI253330	DBEst	3850451
AI253335	DBEst	3850456
AI253379	DBEst	3850500
AI253436	DBEst	3850391
AI261382	DBEst	3869585
AI261883	DBEst	3870086
AI262575	DBEst	3870778

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ACC NUM	DATABASE	GI NBR
AI264633	DBEst	3872836
AI267162	DBEst	3886329
AI267185	DBEst	3886352
AI267216	DBEst	3886383
AI267254	DBEst	3886421
AI267282	DBEst	3886449
AI267285	DBEst	3886452
AI267289	DBEst	3886456
AI267307	DBEst	3886474
AI267351	DBEst	3886518
AI267417	DBEst	3886584
AI267420	DBEst	3886587
AI267454	DBEst	3886621
AI267477	DBEst	3886644
AI267492	DBEst	3886659
AI267502	DBEst	3886669
AI267554	DBEst	3886721
AI267574	DBEst	3886741
AI267612	DBEst	3886779
AI267628	DBEst	3886795
AI267669	DBEst	3886836
AI267777	DBEst	3886944
AI267793	DBEst	3886960
AI267842	DBEst	3887009
AI269205	DBEst	3888372
AI271977	DBEst	3891144
AI272921	DBEst	3895189
AI274027	DBEst	3896295
AI275175	DBEst	3897449
AI276399	DBEst	3898673
AI278998	DBEst	3917232
AI279141	DBEst	3917375
AI282281	DBEst	3920514
AI284215	DBEst	3922448
AI287489	DBEst	3927231
AI291356	DBEst	3934130
AI291589	DBEst	3934363
AI292128	DBEst	3934902
AI298453	DBEst	3958189
AI301132	DBEst	3960478
AI309431	DBEst	4004302
AI312542	DBEst	4018147
AI335208	DBEst	4072135
AI335269	DBEst	4072196
AI336850	DBEst	4073777
AI338085	DBEst	4075012
AI343059	DBEst	4080265
AI344277	DBEst	4081483
AI344359	DBEst	4081565
AI346290	DBEst	4083496
AI356625	DBEst	4108246
AI357620	DBEst	4109241
AI366381	DBEst	4126070
AI375141	DBEst	4175131
AI375141	DBEst	4175131
AI379493	DBEst	4189346

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ACC NUM	DATABASE	GI NBR
AI384005	DBEst	4196786
AI393584	DBEst	4223131
AI400161	DBEst	4243248
AI432969	DBEst	4285894
AI433393	DBEst	4288865
AI434468	DBEst	4296390
AI434518	DBEst	4296738
AI434606	DBEst	4297354
AI436456	DBEst	4281845
AI439717	DBEst	4306274
AI440350	DBEst	4282124
AI445979	DBEst	4291997
AI458823	DBEst	4311402
AI470086	DBEst	4332164
AI473915	DBEst	4326960
AI474626	DBEst	4327671
AI476218	DBEst	4329263
AI498625	DBEst	4390607
AI499393	DBEst	4391375
AI499922	DBEst	4391904
AI521059	DBEst	4435194
AI537837	DBEst	4451972
AI557334	DBEst	4489697
AI557660	DBEst	4490023
AI559700	DBEst	4509905
AI564515	DBEst	4522972
AI564596	DBEst	4523053
AI570989	DBEst	4534363
AI572676	DBEst	4536050
AI581733	DBEst	4567630
AI582642	DBEst	4568539
AI583135	DBEst	4569032
AI590222	DBEst	4599270
AI590808	DBEst	4599856
AI598121	DBEst	4607169
AI610285	DBEst	4619452
AI612913	DBEst	4622080
AI613073	DBEst	4622240
AI620284	DBEst	4629410
AI623804	DBEst	4648735
AI623991	DBEst	4648922
AI627211	DBEst	4664011
AI632839	DBEst	4684169
AI633868	DBEst	4685198
AI634852	DBEst	4686182
AI635096	DBEst	4686426
AI635779	DBEst	4687109
AI636445	DBEst	4687775
AI637608	DBEst	4689842
AI652047	DBEst	4736026
AI652876	DBEst	4736855
AI655794	DBEst	4739773
AI656354	DBEst	4740333
AI674650	DBEst	4875130
AI675307	DBEst	4875787
AI680068	DBEst	4890250

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ACC NUM	DATABASE	GI NBR
AI681428	DBEst	4891599
AI683431	DBEst	4893613
AI684830	DBEst	4896124
AI686907	DBEst	4898201
AI687511	DBEst	4898805
AI689747	DBEst	4901041
AI690207	DBEst	4901501
AI693198	DBEst	4970538
AI695992	DBEst	4983892
AI697470	DBEst	4985370
AI700750	DBEst	4988650
AI708706	DBEst	4998482
AI718042	DBEst	5035298
AI733299	DBEst	5054412
AI738919	DBEst	5100900
AI740458	DBEst	5108746
AI741765	DBEst	5110053
AI742093	DBEst	5110381
AI742708	DBEst	5110996
AI743415	DBEst	5111703
AI744982	DBEst	5113270
AI750201	DBEst	5128465
AI753386	DBEst	5131650
AI760068	DBEst	5175735
AI797994	DBEst	5363466
AI798680	DBEst	5364152
AI800807	DBEst	5366279
AI801898	DBEst	5367370
AI807036	DBEst	5393602
AI812075	DBEst	5398641
AI813900	DBEst	5425115
AI814368	DBEst	5425583
AI815384	DBEst	5430930
AI818510	DBEst	5437589
AI821669	DBEst.	5440748
AI826841	DBEst	5447512
AI830584	DBEst	5451255
AI858347	DBEst	5511963
AI860319	DBEst	5513935
AI879040	DBEst	5553089
AI888895	DBEst	5594059
AI888914	DBEst	5594078
AI889542	DBEst	5594706
AI890347	DBEst	5595511
AI902568	DBEst	6492955
AI903894	DBEst	6494385
AI904067	DBEst	6494454
AI904282	DBEst	6494669
AI906001	DBEst	6496388
AI906398	DBEst	6496785
AI909710	DBEst	6500390
AI922121	DBEst	5658085
AI924059	DBEst	5660023
AI924096	DBEst	5660060
AI927306	DBEst	5663270
AI928069	DBEst	5664033

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ACC NUM	DATABASE	GI NBR
AI928374	DBEst	5664338
AI928977	DBEst	5664941
AI929696	DBEst	5665660
AI935603	DBEst	5674473
AI950428	DBEst	5742738
AI950892	DBEst	5743202
AL036002	DBEst	5405631
AL040800	DBEst	5409746
AL040922	DBEst	5409866
AL043237	DBEst	5935823
AL044055	DBEst	5432283
AL044123	DBEst	5935944
AL045000	DBEst	5433184
AL045305	DBEst	5433465
AL045809	DBEst	5433921
AL048643	DBEst	5928049
AL079400	DBEst	5423294
AL119272	DBEst	5925171
AL120560	DBEst	5926459
AL135279	DBEst	6603466
AL138381	DBEst	6855062
AW015055	DBEst	5863812
AW020467	DBEst	5873997
AW025188	DBEst	5878718
AW058497	DBEst	5934136
AW069331	DBEst	6024329
AW105540	DBEst	6076275
AW117805	DBEst	6086389
AW118475	DBEst	6087059
AW148750	DBEst	6196646
AW150827	DBEst	6198725
AW157068	DBEst	6228469
AW170480	DBEst	6402005
AW173052	DBEst	6439000
AW175965	DBEst	6442002
AW177365	DBEst	6443402
AW182510	DBEst	6450970
AW183733	DBEst	6452247
AW189705	DBEst	6464185
AW194103	DBEst	6472836
AW194691	DBEst	6473583
AW238936	DBEst	6571258
AW247746	DBEst	6590739
AW249055	DBEst	6592048
AW291124	DBEst	6697760
AW291143	DBEst	6697779
AW294882	DBEst	6701518
AW304711	DBEst	6716914
AW327245	DBEst	6797740
AW339456	DBEst	6836082
AW364017	DBEst	6868667
AW402446	DBEst	6921132
AW404636	DBEst	6923693
AW410053	DBEst	6935594
AW410771	DBEst	6936312
AW501708	DBEst	7115494

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ACC NUM	DATABASE	GI NBR
C04801	DBEst	1468052
C06126	DBEst	1502902
C16523	DBEst	1571230
C18127	DBEst	1579729
D11545	DBEst	2148692
F02705	DBEst	646262
F06016	DBEst	669832
F06621	DBEst	672219
F06989	DBEst	672627
H02051	DBEst	864984
H06566	DBEst	870098
H08369	DBEst	873191
H08511	DBEst	873333
H18273	DBEst	884513
H22606	DBEst	891301
H25393	DBEst	894516
H27029	DBEst	897019
H38017	DBEst	907516
H39906	DBEst	915958
H42293	DBEst	918345
H48606	DBEst	988446
H53926	DBEst	994073
H63067	DBEst	1017868
H63486	DBEst	1018287
H65002	DBEst	1114706
H80365	DBEst	1058454
H99149	DBEst	1123817
N30986	DBEst	1151385
N31018	DBEst	1151417
N41827	DBEst	1165858
N58519	DBEst	1202409
N71214	DBEst	1227794
R08064	DBEst	759987
R11894	DBEst	764629
R14044	DBEst	767120
R34718	DBEst	791619
R51676	DBEst	813578
R62669	DBEst	834548
R66556	DBEst	839194
R67522	DBEst	840160
R80613	DBEst	856894
R89407	DBEst	954234
R92632	DBEst	960172
R95461	DBEst	975570
T05324	DBEst	316476
T08510	DBEst	389538
T25386	DBEst	2947323
T39321	DBEst	647074
T61747	DBEst	664990
T73087	DBEst	689762
T92108	DBEst	724021
T92944	DBEst	724857
T94003	DBEst	727491
U55977	DBEst	1354533
W01923	DBEst	1273902
W05027	DBEst	1277747

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ACC NUM	DATABASE	GI NBR
W19899	DBEst	1295768
W25222	DBEst	1303086
W25578	DBEst	1303530
W26688	DBEst	1305772
W38534	DBEst	1320159
W39266	DBEst	1320983
W40484	DBEst	1324491
W67726	DBEst	1376597
W81505	DBEst	1392696
W87891	DBEst	1401976
W90355	DBEst	1406593
Z25208	DBEst	395847
Z43935	DBEst	573048
Q74082	N/A	N/A
T31854	DBEst	613952
T63340	DBEst	667205
T94830	DBEst	728318
V40542	N/A	N/A
V43612	N/A	N/A
V59631	N/A	N/A
V61633	N/A	N/A
V61647	N/A	N/A
V84443	N/A	N/A
V84545	N/A	N/A
V87041	N/A	N/A
V89834	N/A	N/A
X26850	N/A	N/A
X35727	N/A	N/A
X37405	N/A	N/A
X40596	N/A	N/A
X41016	N/A	N/A
X98830	GenBank	1679857
Z07193	N/A	N/A
Z15285	N/A	N/A
Z15832	N/A	N/A
Z18355	DBEst	30767
Z18356	DBEst	30768
Z33949	DBEst	496436
Z34275	GenBank	498790
Z42028	DBEst	564261
AC31118	N/A	N/A
AC32793	N/A	N/A
AC33481	N/A	N/A
AC33985	N/A	N/A
AC34316	N/A	N/A
AC34368	N/A	N/A
AC35078	N/A	N/A
AC35162	N/A	N/A
AC35182	N/A	N/A
AC35230	N/A	N/A
AC35777	N/A	N/A
AC35854	N/A	N/A
AC36057	N/A	N/A
AC36195	N/A	N/A
AC36201	N/A	N/A
AC36718	N/A	N/A

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ACC NUM	DATABASE	GI NBR
AC36789	N/A	N/A
A08910	GenBank	411832
A12295	GenBank	490117
A14133	GenBank	490127
A21185	GenBank	579591
A21187	GenBank	579593
A32137	GenBank	1567305
AB000468	GenBank	1843400
AB001106	GenBank	1850083
AB001914	GenBank	2281769
AB001928	GenBank	3107914
AB002303	GenBank	2224550
AB002330	GenBank	2224604
AB002333	GenBank	2224610
AB002334	GenBank	2224612
AB002366	GenBank	2224676
AB002391	GenBank	6683696
AB003102	GenBank	1945608
AB003730	GenBank	2627128
AB004546	GenBank	3308972
AB006679	GenBank	2342476
AB007447	GenBank	2463530
AB007888	GenBank	2887430
AB007896	GenBank	2662152
AB007941	GenBank	3413905
AB009398	GenBank	3618342
AB011102	GenBank	3043583
AB011108	GenBank	3043595
AB011132	GenBank	6635202
AB011142	GenBank	3043663
AB011165	GenBank	3043709
AB012130	GenBank	3097315
AB013139	GenBank	3169124
AB014511	GenBank	3327035
AB014525	GenBank	3327063
AB014536	GenBank	3327085
AB014563	GenBank	3327139
AB014599	GenBank	3327211
AB015639	GenBank	5821139
AB016068	GenBank	3721863
AB018262	GenBank	3882158
AB018272	GenBank	3882178
AB018305	GenBank	3882244
AB018340	GenBank	3882314
AB018347	GenBank	3882328
AB019568	GenBank	3885371
AB019691	GenBank	5051742
AB020633	GenBank	4240140
AB020657	GenBank	4240188
AB020658	GenBank	4240190
AB020694	GenBank	4240262
AB020703	GenBank	4240280
AB020710	GenBank	4240294
AB020718	GenBank	4240310
AB020867	GenBank	4003387
AB023049	GenBank	5672604

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ACC NUM	DATABASE	GI NBR
AB023188	GenBank	4589585
AB023194	GenBank	4589597
AB023421	GenBank	4579910
AB026436	GenBank	5138994
AB028961	GenBank	5689412
AB029019	GenBank	5689528
AB029020	GenBank	5689530
AB032952	GenBank	6329754
AB032957	GenBank	6329818
AB032980	GenBank	6330108
AB033017	GenBank	6330344
AB033020	GenBank	6330364
AB033033	GenBank	6330496
AB033045	GenBank	6330589
AB033048	GenBank	6330610
AB033051	GenBank	6330667
AB033064	GenBank	6330771
AB033082	GenBank	6330910
AB033084	GenBank	6330925
AB033086	GenBank	6330940
AB033092	GenBank	6331198
AC000015	GenBank	4263638
AC000024	GenBank	2995601
AC000031	GenBank	4646246
AC000064	GenBank	1669369
AC000394	GenBank	2133911
AC001001	GenBank	1930977
AC001642	GenBank	1945597
AC002076	GenBank	2078461
AC002299	GenBank	2815548
AC002350	GenBank	2961443
AC002357	GenBank	2815516
AC002410	GenBank	2317822
AC002416	GenBank	2822140
AC002451	GenBank	2337882
AC002520	GenBank	4630752
AC002543	GenBank	3645947
AC002549	GenBank	2992475
AC003007	GenBank	2911728
AC003014	GenBank	2547256
AC003036	GenBank	2935595
AC003983	GenBank	2769694
AC004032	GenBank	5032329
AC004054	GenBank	3298531
AC004066	GenBank	4001527
AC004130	GenBank	2842785
AC004131	GenBank	3342217
AC004150	GenBank	4585948
AC004168	GenBank	4454440
AC004185	GenBank	3924650
AC004240	GenBank	2914717
AC004263	GenBank	2935616
AC004381	GenBank	2982169
AC004510	GenBank	2996651
AC004526	GenBank	3779035
AC004540	GenBank	3041850

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ACC NUM	DATABASE	GI NBR
AC004587	GenBank	3150014
AC004638	GenBank	3242732
AC004650	GenBank	3097834
AC004686	GenBank	3688105
AC004691	GenBank	3135285
AC004707	GenBank	3249127
AC004749	GenBank	3157918
AC004817	GenBank	6624135
AC004821	GenBank	4753291
AC004850	GenBank	4309890
AC004854	GenBank	4827328
AC004883	GenBank	4263746
AC004889	GenBank	4156187
AC004904	GenBank	4156180
AC004913	GenBank	3213084
AC004943	GenBank	3924671
AC004955	GenBank	4753267
AC005021	GenBank	3694657
AC005023	GenBank	3900847
AC005037	GenBank	4827310
AC005042	GenBank	4156138
AC005046	GenBank	6094632
AC005058	GenBank	4156135
AC005069	GenBank	4753224
AC005074	GenBank	4153859
AC005189	GenBank	3264580
AC005208	GenBank	3366585
AC005225	GenBank	6094661
AC005261	GenBank	3289984
AC005281	GenBank	4263751
AC005295	GenBank	3659407
AC005316	GenBank	3738342
AC005323	GenBank	3417301
AC005365	GenBank	3367509
AC005406	GenBank	4580403
AC005406	GenBank	4580403
AC005480	GenBank	4835818
AC005488	GenBank	5836194
AC005541	GenBank	4156136
AC005588	GenBank	4153863
AC005598	GenBank	4589944
AC005612	GenBank	3540153
AC005730	GenBank	3779042
AC005854	GenBank	4454568
AC005880	GenBank	6249667
AC005899	GenBank	3935221
AC005924	GenBank	4309926
AC006001	GenBank	5708496
AC006017	GenBank	4508141
AC006047	GenBank	3924651
AC006050	GenBank	4079627
AC006059	GenBank	4544348
AC006064	GenBank	4572650
AC006146	GenBank	5836157
AC006198	GenBank	4038072
AC006213	GenBank	4160143

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ACC NUM	DATABASE	GI NBR
AC006299	GenBank	4106997
AC006333	GenBank	4454617
AC006347	GenBank	4309919
AC006480	GenBank	6289252
AC006518	GenBank	4713939
AC006561	GenBank	4558534
AC006978	GenBank	4753257
AC007041	GenBank	5708471
AC007051	GenBank	4432877
AC007068	GenBank	4926862
AC007172	GenBank	4731066
AC007242	GenBank	5931465
AC007250	GenBank	5836191
AC007281	GenBank	4926893
AC007319	GenBank	5001496
AC007371	GenBank	5542041
AC007377	GenBank	5001536
AC007382	GenBank	5836198
AC007392	GenBank	5523809
AC007487	GenBank	4753223
AC007655	GenBank	4895153
AC007708	GenBank	5923689
AC007736	GenBank	5732177
AC007880	GenBank	5931460
AC008014	GenBank	5815493
AC008040	GenBank	5922025
AC008116	GenBank	6001959
AC008122	GenBank	5931373
AC008127	GenBank	6143844
AC008179	GenBank	5931440
AC009330	GenBank	6553960
AC009464	GenBank	6492471
AC009509	GenBank	6492473
AC009542	GenBank	6554502
AE000660	GenBank	2358042
AE000661	GenBank	2358060
AF000547	GenBank	2232070
AF001893	GenBank	2529723
AF002994	GenBank	2121297
AF003001	GenBank	2529443
AF004327	GenBank	2257932
AF004339	GenBank	2245559
AF004341	GenBank	2245563
AF005043	GenBank	2213921
AF005068	GenBank	2218153
AF006082	GenBank	2282029
AF006086	GenBank	2282037
AF006088	GenBank	2282041
AF006484	GenBank	2738496
AF007130	GenBank	2852603
AF007153	GenBank	2852633
AF007162	GenBank	3192942
AF007170	GenBank	2865251
AF007791	GenBank	3779196
AF009242	GenBank	2338289
AF011387	GenBank	2654605

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ACC NUM	DATABASE	GI NBR
AF011793	GenBank	2352903
AF013758	GenBank	3046899
AF017445	GenBank	2582184
AF020797	GenBank	9256827
AF022229	GenBank	2809382
AF022382	GenBank	2947218
AF022815	GenBank	2555135
AF023462	GenBank	2564670
AF025771	GenBank	3282514
AF025772	GenBank	5757624
AF026166	GenBank	4090928
AF026402	GenBank	2655201
AF026692	GenBank	2920803
AF026939	GenBank	2612967
AF027153	GenBank	2739093
AF027208	GenBank	2688948
AF029786	GenBank	3403166
AF032456	GenBank	3004908
AF032885	GenBank	2895491
AF033095	GenBank	2645728
AF035293	GenBank	2661047
AF035307	GenBank	2661068
AF035320	GenBank	2661084
AF035442	GenBank	3142369
AF035537	GenBank	2665741
AF038175	GenBank	2795894
AF038451	GenBank	3779225
AF039918	GenBank	3335101
AF041259	GenBank	3335396
AF044588	GenBank	2865520
AF044923	GenBank	3005084
AF045451	GenBank	3282822
AF047181	GenBank	2909853
AF047439	GenBank	3335133
AF050110	GenBank	3523144
AF051852	GenBank	4887657
AF052093	GenBank	3360399
AF052124	GenBank	3360431
AF052577	GenBank	3493208
AF053551	GenBank	3283048
AF053977	GenBank	3283050
AF054174	GenBank	3341991
AF054179	GenBank	3341999
AF054838	GenBank	2997740
AF055994	GenBank	3319289
AF057299	GenBank	5739040
AF057352	GenBank	4883680
AF058696	GenBank	3098674
AF058718	GenBank	3808234
AF058907	GenBank	3790543
AF061938	GenBank	4335946
AF062179	GenBank	3170820
AF062529	GenBank	3978223
AF064257	GenBank	5881960
AF065388	GenBank	3152700
AF065391	GenBank	4191326

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ACC NUM	DATABASE	GI NBR
AF067817	GenBank	3928846
AF068846	GenBank	3201999
AF069668	GenBank	3603309
AF070592	GenBank	3387967
AF070652	GenBank	4454679
AF070655	GenBank	4454685
AF071219	GenBank	3288867
AF073518	GenBank	3641541
AF075061	GenBank	3377602
AF076957	GenBank	5410248
AF077033	GenBank	4689113
AF077034	GenBank	4689115
AF078861	GenBank	5531836
AF082657	GenBank	3415108
AF083395	GenBank	4106817
AF085359	GenBank	5114052
AF086313	GenBank	3483658
AF089744	GenBank	4154282
AF092128	GenBank	5138905
AF092133	GenBank	5138915
AF093250	GenBank	5163088
AF096290	GenBank	3777607
AF097026	GenBank	6409120
AF100742	GenBank	5138996
AF101051	GenBank	4323580
AF106862	GenBank	5757883
AF108388	GenBank	6453726
AF111168	GenBank	4186181
AF111856	GenBank	4071356
AF112481	GenBank	4959395
AF112968	GenBank	5565861
AF112977	GenBank	4426911
AF118092	GenBank	6650829
AF118393	GenBank	6289102
AF118887	GenBank	4416407
AF121855	GenBank	4689249
AF124438	GenBank	4838431
AF124439	GenBank	4838433
AF125042	GenBank	4325315
AF126404	GenBank	4567071
AF126743	GenBank	5052332
AF128406	GenBank	5777951
AF131829	GenBank	4406667
AF132961	GenBank	4680692
AF133423	GenBank	6434899
AF134583	GenBank	6066199
AF146651	GenBank	5020073
AF147336	GenBank	4761687
AF151807	GenBank	4929566
AF151839	GenBank	4929630
AF151843	GenBank	4929638
AF151851	GenBank	4929654
AF151858	GenBank	4929668
AF151864	GenBank	4929680
AF152365	GenBank	5669135
AF152462	GenBank	5565976

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ACC NUM	DATABASE	GI NBR
AF153608	GenBank	5231140
AF155105	GenBank	5360104
AF159615	GenBank	6466003
AF165281	GenBank	5734100
AF169034	GenBank	6470349
AF169797	GenBank	6118085
AF172398	GenBank	5731338
AF174596	GenBank	6164734
AF178030	GenBank	6539738
AF190167	GenBank	6456117
AF191020	GenBank	6457343
AF191298	GenBank	7656642
AF191339	GenBank	6180012
AF201077	GenBank	6456748
AF205588	GenBank	6531675
AJ001306	GenBank	2370148
AJ005801	GenBank	3378167
AJ006996	GenBank	3378627
AJ012375	GenBank	4468342
AJ132637	GenBank	5689741
AJ224162	GenBank	2897594
AJ224875	GenBank	2996577
AJ242015	GenBank	4757043
AJ243310	GenBank	5262358
AJ249248	GenBank	5834594
AL008627	GenBank	2769539
AL009177	GenBank	2769542
AL021368	GenBank	3080468
AL021407	GenBank	2982498
AL021451	GenBank	2815069
AL022238	GenBank	4176442
AL022240	GenBank	4826471
AL022394	GenBank	9581758
AL022726	GenBank	3676217
AL023095	GenBank	3281938
AL023578	GenBank	3228200
AL023582	GenBank	3805923
AL023584	GenBank	3790154
AL023807	GenBank	5679750
AL030996	GenBank	3688349
AL031058	GenBank	3395507
AL031132	GenBank	9368411
AL031287	GenBank	4914533
AL031387	GenBank	4493578
AL031777	GenBank	9367197
AL034376	GenBank	6006486
AL034979	GenBank	5918013
AL034417	GenBank	5102616
AL034418	GenBank	9581751
AL035071	GenBank	5002606
AL035209	GenBank	4160217
AL035410	GenBank	4775617
AL035411	GenBank	6136940
AL035467	GenBank	6522967
AL035608	GenBank	4914528
AL049422	GenBank	4500202

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ACC NUM	DATABASE	GI NBR
AL049610	GenBank	5679448
AL049631	GenBank	4938307
AL049742	GenBank	5419783
AL049748	GenBank	6572235
AL049757	GenBank	6002325
AL049766	GenBank	5763746
AL049859	GenBank	5706480
AL049929	GenBank	4884174
AL049940	GenBank	4884183
AL049951	GenBank	4884198
AL050051	GenBank	4884099
AL050071	GenBank	4884302
AL050091	GenBank	4884111
AL050105	GenBank	4884133
AL050107	GenBank	4884135
AL050161	GenBank	4884375
AL050196	GenBank	4884414
AL050331	GenBank	5668655
AL050367	GenBank	4914600
AL078644	GenBank	5679526
AL079338	GenBank	6522989
AL080063	GenBank	5262468
AL080078	GenBank	5262489
AL080312	GenBank	6630798
AL080317	GenBank	5830430
AL109847	GenBank	6434631
AL110103	GenBank	5791551
AL110164	GenBank	5817069
AL110253	GenBank	5817212
AL117423	GenBank	5911854
AL117463	GenBank	5911925
AL117618	GenBank	5912196
AL121576	GenBank	8176910
AL121852	GenBank	8176919
AL122041	GenBank	6093230
AL122046	GenBank	6093238
AL122062	GenBank	6102854
AL122066	GenBank	6102860
AL122075	GenBank	6102875
AL122079	GenBank	6102883
AL122096	GenBank	6102909
AL133074	GenBank	6453517
AP000038	GenBank	3132348
AP000046	GenBank	3132356
AP000090	GenBank	4730831
AP000133	GenBank	4730902
AP000509	GenBank	5926696
AP000542	GenBank	5931520
AP000554	GenBank	5931540
D00017	GenBank	219909
D00632	GenBank	219667
D10704	GenBank	219540
D14665	GenBank	6630617
D14813	GenBank	506341
D16111	GenBank	435637
D16469	GenBank	758583

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ACC NUM	DATABASE	GI NBR
D21262	GenBank	434764
D28350	GenBank	461182
D28759	GenBank	633074
D29992	GenBank	484050
D31885	GenBank	505097
D31891	GenBank	505109
D38112	GenBank	644480
D38305	GenBank	1580723
D38524	GenBank	633070
D38551	GenBank	1531549
D42047	GenBank	577306
D42063	GenBank	924266
D43950	GenBank	603954
D44466	GenBank	1808577
D45039	GenBank	967011
D45198	GenBank	971271
D49489	GenBank	1136742
D50006	GenBank	767786
D50544	GenBank	1345403
D50579	GenBank	2641989
D50929	GenBank	1469200
D55654	GenBank	1255603
D63477	GenBank	1469867
D63486	GenBank	1469885
D78152	GenBank	1060889
D78341	GenBank	1813349
D79996	GenBank	1136407
D80005	GenBank	1136425
D82326	GenBank	1502280
D83485	GenBank	1208426
D84394	GenBank	2401262
D85181	GenBank	1906795
D86724	GenBank	1694632
D86958	GenBank	1503989
D86984	GenBank	1504041
D86985	GenBank	6634002
D87442	GenBank	1665772
D87445	GenBank	6634006
D87665	GenBank	1620014
D87666	GenBank	1620016
D87667	GenBank	1620019
D87742	GenBank	1665824
D88357	GenBank	3126638
D88460	GenBank	2116983
E02248	GenBank	2170486
E02339	GenBank	2170574
E02516	GenBank	2170746
E03414	GenBank	2171630
E03415	GenBank	2171631
E07218	GenBank	2175359
E08663	GenBank	2176776
E13124	GenBank	3251936
E16311	GenBank	5710994
J00129	GenBank	182429
J00132	GenBank	182433
J02611	GenBank	178840

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ACC NUM	DATABASE	GI NBR
J02814	GenBank	189875
J02959	GenBank	187174
J03007	GenBank	179211
J03037	GenBank	179771
J03202	GenBank	186916
J04137	GenBank	177782
J04164	GenBank	177801
J04205	GenBank	178686
J04765	GenBank	189404
J04970	GenBank	5809681
J04977	GenBank	186791
J05013	GenBank	182417
J05032	GenBank	179101
J05428	GenBank	340079
K00422	GenBank	184322
K02569	GenBank	182441
L00635	GenBank	292032
L01042	GenBank	184097
L05095	GenBank	388034
L05425	GenBank	179284
L05921	GenBank	178868
L07540	GenBank	190153
L07633	GenBank	186512
L07782	GenBank	186475
L07935	GenBank	340287
L08048	GenBank	184250
L08246	GenBank	307165
L08599	GenBank	340184
L08650	GenBank	180822
L10373	GenBank	307287
L11066	GenBank	307322
L13278	GenBank	292414
L13848	GenBank	307382
L16876	GenBank	291606
L20826	GenBank	405229
L20941	GenBank	507251
L22524	GenBank	348019
L28010	GenBank	452047
L29074	GenBank	1668818
L31521	GenBank	567834
L33930	GenBank	500848
L38426	GenBank	790794
L42110	GenBank	904118
L42379	GenBank	1203964
L43821	GenBank	1294780
L48722	GenBank	1246237
L76703	GenBank	1478069
M10119	GenBank	182517
M11146	GenBank	182504
M11867	GenBank	188229
M12759	GenBank	532596
M13536	GenBank	180248
M13699	GenBank	180255
M13953	GenBank	190150
M14328	GenBank	182113
M14505	GenBank	456426

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ACC NUM	DATABASE	GI NBR
M14660	GenBank	186559
M14777	GenBank	183677
M15800	GenBank	187297
M16660	GenBank	184420
M17885	GenBank	190231
M21624	GenBank	339410
M22382	GenBank	190126
M23068	GenBank	179525
M23254	GenBank	511636
M24906	GenBank	537531
M26152	GenBank	1160968
M26481	GenBank	619789
M28099	GenBank	182415
M28638	GenBank	181075
M29877	GenBank	178408
M32306	GenBank	181132
M33011	GenBank	182895
M33197	GenBank	182976
M34088	GenBank	182122
M34455	GenBank	185790
M35718	GenBank	186777
M55210	GenBank	186962
M60484	GenBank	190225
M61853	GenBank	177181
M61906	GenBank	189424
M61916	GenBank	186836
M62633	GenBank	184238
M63438	GenBank	184847
M64174	GenBank	190734
M68840	GenBank	187352
M69040	GenBank	338046
M83248	GenBank	189150
M85168	GenBank	1785860
M87284	GenBank	338651
M87503	GenBank	184652
M92357	GenBank	306463
M94556	GenBank	188855
M98252	GenBank	187279
S35960	GenBank	249370
S49975	GenBank	259140
S69002	GenBank	545407
S70290	GenBank	546602
S73591	GenBank	688296
S77464	GenBank	998586
S82081	GenBank	1488412
U03688	GenBank	501030
U05237	GenBank	1276427
U07802	GenBank	984508
U09284	GenBank	516011
U09414	GenBank	488556
U09564	GenBank	507212
U10687	GenBank	533514
U12788	GenBank	555830
U12789	GenBank	555832
U15009	GenBank	600749
U16798	GenBank	806751

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ACC NUM	DATABASE	GI NBR
U18121	GenBank	915283
U18270	GenBank	885679
U18914	GenBank	790224
U19769	GenBank	924600
U20758	GenBank	1001962
U21936	GenBank	717118
U25847	GenBank	1147808
U26162	GenBank	829622
U27460	GenBank	881393
U28042	GenBank	1142709
U28964	GenBank	899458
U30255	GenBank	984324
U37100	GenBank	3150034
U38979	GenBank	1061423
U40622	GenBank	1151114
U41384	GenBank	1145886
U41387	GenBank	1230563
U42068	GenBank	1147738
U47924	GenBank	1633547
U50939	GenBank	1314559
U54562	GenBank	2351381
U60337	GenBank	2809322
U60666	GenBank	1390022
U63809	GenBank	3282204
U64791	GenBank	1498734
U66036	GenBank	2078500
U66615	GenBank	1549238
U68566	GenBank	1916621
U69127	GenBank	1575608
U70063	GenBank	1743866
U72649	GenBank	1703500
U73945	GenBank	1755147
U77129	GenBank	1857330
U79258	GenBank	1710211
U79415	GenBank	1947070
U80460	GenBank	2341006
U82130	GenBank	1772663
U83584	GenBank	2231539
U90904	GenBank	1913882
U91322	GenBank	2344876
U95367	GenBank	2197000
X00737	GenBank	35564
X02530	GenBank	33917
X05857	GenBank	31988
X07270	GenBank	32485
X07466	GenBank	31769
X13694	GenBank	35147
X15187	GenBank	37260
X15722	GenBank	31824
X15822	GenBank	30146
X16135	GenBank	32355
X51445	GenBank	36320
X51473	GenBank	31410
X52851	GenBank	30167
X53586	GenBank	33943
X59131	GenBank	3776087

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ACC NUM	DATABASE	GI NBR
X59543	GenBank	36064
X60489	GenBank	31099
X63432	GenBank	28335
X66785	GenBank	30489
X69089	GenBank	407096
X69397	GenBank	396167
X74104	GenBank	452756
X76648	GenBank	531404
X78710	GenBank	520933
X80062	GenBank	663208
X81109	GenBank	535057
X83544	GenBank	1089849
X83618	GenBank	619876
X87212	GenBank	1006656
X91213	GenBank	1061134
X91647	GenBank	1061133
X92744	GenBank	1617087
X94323	GenBank	1213612
X94910	GenBank	3413292
X95240	GenBank	1262818
X98743	GenBank	1498228
Y00281	GenBank	36052
Y00345	GenBank	35569
Y00711	GenBank	34328
Y00736	GenBank	37002
Y10319	GenBank	2765074
Y11588	GenBank	2995197
Y13247	GenBank	2117158
Y18046	GenBank	4454262
Z13009	GenBank	31072
Z49835	GenBank	860985
Z55195	GenBank	1021236
Z75331	GenBank	2204214
Z82195	GenBank	1841909
Z83308	GenBank	1730470
Z84466	GenBank	3319673
Z85996	GenBank	2276311
Z86062	GenBank	2058315
Z93242	GenBank	3164071
Z95125	GenBank	2440066
Z96050	GenBank	2168138
Z97056	GenBank	2832593
Z97876	GenBank	2582745
Z98049	GenBank	2462401
Z98172	GenBank	3006132
Z98750	GenBank	2887277
Z98752	GenBank	9408718
Z98755	GenBank	2578138
Z99128	GenBank	3135974
Z99714	GenBank	4455407
AA007665	DBEst	1463657
AA009945	DBEst	1471111
AA010236	DBEst	1471282
AA010728	DBEst	1471982
AA011024	DBEst	1472051
AA011217	DBEst	1472244

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ACC NUM	DATABASE	GI NBR
AA011308	DBEst	1472355
AA011380	DBEst	1472406
AA011425	DBEst	1472471
AA015723	DBEst	1476753
AA016203	DBEst	1477260
AA016250	DBEst	1477297
AA018559	DBEst	1481959
AA020878	DBEst	1484649
AA022969	DBEst	1487068
AA024769	DBEst	1489675
AA025218	DBEst	1490160
AA025657	DBEst	1491487
AA025694	DBEst	1491397
AA025924	DBEst	1491271
AA029044	DBEst	1496653
AA029521	DBEst	1496923
AA029868	DBEst	1496095
AA030054	DBEst	1496280
AA031816	DBEst	1501779
AA033718	DBEst	1505601
AA035090	DBEst	1507288
AA035518	DBEst	1507195
AA036702	DBEst	1509750
AA036920	DBEst	1509967
AA037143	DBEst	1512251
AA037213	DBEst	1512392
AA039604	DBEst	1515882
AA039814	DBEst	1516303
AA039967	DBEst	1516280
AA043049	DBEst	1522584
AA043514	DBEst	1521375
AA043842	DBEst	1521699
AA043905	DBEst	1521763
AA044209	DBEst	1522066
AA044586	DBEst	1522977
AA044691	DBEst	1522912
AA045877	DBEst	1525772
AA046846	DBEst	1524745
AA047052	DBEst	1524950
AA047117	DBEst	1525212
AA053075	DBEst	1544347
AA053656	DBEst	1544644
AA054010	DBEst	1544989
AA054150	DBEst	1545221
AA054463	DBEst	1545388
AA055558	DBEst	1547897
AA055858	DBEst	1548196
AA056060	DBEst	1548454
AA056345	DBEst	1548964
AA056382	DBEst	1548722
AA056434	DBEst	1548774
AA057101	DBEst	1549775
AA057154	DBEst	1549613
AA058553	DBEst	1551360
AA063590	DBEst	1557557
AA064826	DBEst	1558965

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ACC NUM	DATABASE	GI NBR
AA065338	DBEst	1929218
AA070073	DBEst	1577433
AA070250	DBEst	1577669
AA071462	DBEst	1578842
AA075190	DBEst	1615060
AA075423	DBEst	1615352
AA075632	DBEst	1615502
AA076160	DBEst	1616046
AA081571	DBEst	1623646
AA083714	DBEst	1625774
AA085882	DBEst	1629259
AA086423	DBEst	1629095
AA088563	DBEst	1634068
AA088850	DBEst	1634371
AA091229	DBEst	1635805
AA098939	DBEst	1644815
AA098985	DBEst	1644869
AA099718	DBEst	1645810
AA100351	DBEst	1646830
AA100531	DBEst	1648232
AA101270	DBEst	1647951
AA101296	DBEst	1648034
AA101789	DBEst	1648786
AA101936	DBEst	1645533
AA102835	DBEst	1648689
AA112166	DBEst	1664368
AA112643	DBEst	1665344
AA112761	DBEst	1663844
AA115296	DBEst	1670474
AA120788	DBEst	1677983
AA120820	DBEst	1678015
AA121582	DBEst	1679197
AA121650	DBEst	1679263
AA126375	DBEst	1685987
AA126493	DBEst	1686086
AA128305	DBEst	1688355
AA128387	DBEst	1689834
AA128515	DBEst	1689581
AA129313	DBEst	1689096
AA129655	DBEst	1690084
AA130169	DBEst	1691172
AA130388	DBEst	1691531
AA130756	DBEst	1692264
AA130783	DBEst	1692449
AA130926	DBEst	1692416
AA133351	DBEst	1690319
AA133363	DBEst	1690331
AA133527	DBEst	1690560
AA135254	DBEst	1696373
AA135587	DBEst	1696618
AA136033	DBEst	1697452
AA136079	DBEst	1697289
AA136491	DBEst	1697701
AA143022	DBEst	1712399
AA143417	DBEst	1712847
AA147569	DBEst	1716939

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ACC NUM	DATABASE	GI NBR
AA147766	DBEst	1717146
AA148013	DBEst	1717413
AA148083	DBEst	1717499
AA148213	DBEst	1717719
AA148583	DBEst	1718779
AA150067	DBEst	1721289
AA150381	DBEst	1721912
AA150780	DBEst	1722338
AA150899	DBEst	1722549
AA151775	DBEst	1720675
AA152386	DBEst	1718701
AA152418	DBEst	1718628
AA155762	DBEst	1727379
AA155862	DBEst	1727497
AA155944	DBEst	1727635
AA156847	DBEst	1728499
AA157042	DBEst	1728769
AA159272	DBEst	1734074
AA159792	DBEst	1734632
AA160149	DBEst	1734597
AA161288	DBEst	1735524
AA161502	DBEst	1735812
AA161518	DBEst	1735828
AA164729	DBEst	1740889
AA164745	DBEst	1740923
AA164850	DBEst	1741144
AA165093	DBEst	1740321
AA165306	DBEst	1740534
AA165307	DBEst	1740535
AA165482	DBEst	1741695
AA165601	DBEst	1741643
AA165632	DBEst	1741665
AA166618	DBEst	1745207
AA166730	DBEst	1745177
AA166853	DBEst	1745071
AA167821	DBEst	1744972
AA169395	DBEst	1748335
AA171809	DBEst	1750867
AA171885	DBEst	1750943
AA172073	DBEst	1751131
AA173819	DBEst	1754152
AA174146	DBEst	1754288
AA176198	DBEst	1757338
AA176274	DBEst	1757477
AA179888	DBEst	1761212
AA180435	DBEst	1761896
AA186538	DBEst	1774764
AA186570	DBEst	1774669
AA186586	DBEst	1774685
AA188235	DBEst	1774437
AA188918	DBEst	1776005
AA191186	DBEst	1779880
AA191292	DBEst	1779998
AA192483	DBEst	1781722
AA192604	DBEst	1781826
AA192748	DBEst	1782145

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ACC NUM	DATABASE	GI NBR
AA193101	DBEst	1782498
AA195029	DBEst	1784731
AA195128	DBEst	1784839
AA195158	DBEst	1784847
AA196357	DBEst	1791932
AA196473	DBEst	1792055
AA197064	DBEst	1792630
AA199677	DBEst	1795403
AA203523	DBEst	1799234
AA203695	DBEst	1799422
AA204668	DBEst	1802519
AA204781	DBEst	1802789
AA205444	DBEst	1803434
AA205859	DBEst	1801230
AA206519	DBEst	1801900
AA206823	DBEst	1802192
AA207081	DBEst	1802496
AA209515	DBEst	1807476
AA210891	DBEst	1809537
AA214701	DBEst	1814489
AA215383	DBEst	1815193
AA215703	DBEst	1815457
AA219354	DBEst	1833479
AA223895	DBEst	1844436
AA223956	DBEst	1844551
AA224767	DBEst	1846076
AA226036	DBEst	1847345
AA226116	DBEst	1847424
AA227205	DBEst	1848750
AA228366	DBEst	1849976
AA232172	DBEst	1855527
AA232574	DBEst	1855626
AA232626	DBEst	1855763
AA232636	DBEst	1855827
AA232993	DBEst	1856117
AA233102	DBEst	1856096
AA234464	DBEst	1858983
AA236795	DBEst	1860815
AA242891	DBEst	1873684
AA243837	DBEst	1874666
AA247478	DBEst	1879119
AA249644	DBEst	1880748
AA251874	DBEst	1886854
AA251875	DBEst	1886855
AA252035	DBEst	1887214
AA253082	DBEst	1882854
AA253333	DBEst	1885433
AA258503	DBEst	1893628
AA278439	DBEst	1919776
AA281638	DBEst	1924317
AA282799	DBEst	1925715
AA282894	DBEst	1925809
AA282915	DBEst	1925910
AA287092	DBEst	1934099
AA287219	DBEst	1934280
AA287518	DBEst	1933199

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ACC NUM	DATABASE	GI NBR
AA291321	DBEst	1939326
AA291690	DBEst	1939795
AA292866	DBEst	1941687
AA293047	DBEst	1940943
AA293273	DBEst	1941423
AA293641	DBEst	1941440
AA293751	DBEst	1941534
AA295065	DBEst	1947399
AA295400	DBEst	1947754
AA297402	DBEst	1949735
AA299640	DBEst	1951971
AA299784	DBEst	1952157
AA300290	DBEst	1952623
AA301910	DBEst	1954243
AA303974	DBEst	1956307
AA304743	DBEst	1957144
AA304979	DBEst	1957326
AA305057	DBEst	1957405
AA305112	DBEst	1957440
AA305286	DBEst	1957612
AA305438	DBEst	1957763
AA306006	DBEst	1958376
AA306982	DBEst	1959472
AA307697	DBEst	1960187
AA308062	DBEst	1960391
AA308069	DBEst	1960398
AA309705	DBEst	1962033
AA309988	DBEst	1962337
AA310201	DBEst	1962528
AA310546	DBEst	1962872
AA310641	DBEst	1962968
AA312240	DBEst	1964578
AA312407	DBEst	1964735
AA312842	DBEst	1965169
AA313676	DBEst	1966235
AA313808	DBEst	1966137
AA314952	DBEst	1967301
AA315722	DBEst	1968051
AA316071	DBEst	1968400
AA316932	DBEst	1969260
AA317144	DBEst	1969699
AA328497	DBEst	1980741
AA332040	DBEst	1984282
AA336411	DBEst	1988719
AA338097	DBEst	1990334
AA338159	DBEst	1990615
AA339481	DBEst	1991717
AA341079	DBEst	1993316
AA342969	DBEst	1995205
AA343753	DBEst	1995990
AA346866	DBEst	1999178
AA355350	DBEst	2007670
AA357290	DBEst	2009630
AA357304	DBEst	2009706
AA358887	DBEst	2011207
AA366406	DBEst	2018746

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ACC NUM	DATABASE	GI NBR
AA366979	DBEst	2019298
AA367100	DBEst	2019418
AA370507	DBEst	2022920
AA371930	DBEst	2024248
AA373082	DBEst	2025422
AA382525	DBEst	2034843
AA393855	DBEst	2046824
AA397777	DBEst	2051128
AA398560	DBEst	2051669
AA398763	DBEst	2051885
AA399001	DBEst	2052738
AA401015	DBEst	2054905
AA401058	DBEst	2055020
AA403065	DBEst	2057008
AA404225	DBEst	2058967
AA404463	DBEst	2059205
AA404540	DBEst	2059273
AA404613	DBEst	2058825
AA404694	DBEst	2058873
AA405408	DBEst	2063645
AA405810	DBEst	2063793
AA406450	DBEst	2064435
AA406505	DBEst	2064488
AA410888	DBEst	2070045
AA411381	DBEst	2068913
AA411479	DBEst	2069072
AA411564	DBEst	2069148
AA411599	DBEst	2069132
AA411706	DBEst	2069495
AA417181	DBEst	2077280
AA418318	DBEst	2080147
AA421250	DBEst	2100137
AA421827	DBEst	2100669
AA423919	DBEst	2102880
AA424328	DBEst	2103298
AA425342	DBEst	2106116
AA425407	DBEst	2106163
AA427616	DBEst	2111449
AA428143	DBEst	2112093
AA429301	DBEst	2110825
AA430088	DBEst	2113325
AA433899	DBEst	2138813
AA433968	DBEst	2138882
AA434243	DBEst	2139157
AA434326	DBEst	2139240
AA434455	DBEst	2139369
AA434547	DBEst	2139461
AA436008	DBEst	2140922
AA441786	DBEst	2153670
AA442415	DBEst	2154293
AA442786	DBEst	2155461
AA443199	DBEst	2155874
AA445981	DBEst	2158646
AA446421	DBEst	2159086
AA446458	DBEst	2159123
AA447349	DBEst	2161019

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ACC NUM	DATABASE	GI NBR
AA448256	DBEst	2161926
AA448535	DBEst	2162205
AA448978	DBEst	2162998
AA449652	DBEst	2163402
AA449656	DBEst	2163406
AA450188	DBEst	2163938
AA451967	DBEst	2165636
AA452193	DBEst	2165862
AA452225	DBEst	2165894
AA453823	DBEst	2167492
AA454038	DBEst	2167707
AA454909	DBEst	2177685
AA455005	DBEst	2177781
AA458761	DBEst	2183668
AA459238	DBEst	2184145
AA459425	DBEst	2184332
AA459479	DBEst	2184386
AA459527	DBEst	2184434
AA468308	DBEst	2194842
AA468561	DBEst	2195095
AA468874	DBEst	2195408
AA470067	DBEst	2197376
AA470373	DBEst	2197682
AA470523	DBEst	2197832
AA471019	DBEst	2198328
AA477144	DBEst	2205828
AA478637	DBEst	2207271
AA479146	DBEst	2207702
AA479168	DBEst	2207724
AA481231	DBEst	2210783
AA481238	DBEst	2210790
AA481794	DBEst	2211346
AA482911	DBEst	2211756
AA482993	DBEst	2211838
AA483675	DBEst	2212488
AA483903	DBEst	2212716
AA484756	DBEst	2214141
AA485460	DBEst	2214679
AA486673	DBEst	2216837
AA489032	DBEst	2218634
AA489969	DBEst	2220844
AA491965	DBEst	2221527
AA493120	DBEst	2222961
AA493299	DBEst	2223140
AA494445	DBEst	2224232
AA495745	DBEst	2229066
AA495811	DBEst	2229132
AA496148	DBEst	2229469
AA496327	DBEst	2229648
AA496994	DBEst	2230315
AA502527	DBEst	2237494
AA503020	DBEst	2237987
AA503215	DBEst	2238182
AA503386	DBEst	2238353
AA504114	DBEst	2240274
AA504858	DBEst	2241018

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ACC NUM	DATABASE	GI NBR
AA504891	DBEst	2241051
AA506536	DBEst	2242291
AA508022	DBEst	2244461
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AA515109	DBEst	2254709
AA522850	DBEst	2263562
AA522856	DBEst	2263568
AA523498	DBEst	2264210
AA523697	DBEst	2264625
AA523877	DBEst	2264805
AA524023	DBEst	2264951
AA524263	DBEst	2265191
AA525849	DBEst	2267918
AA527139	DBEst	2269208
AA527187	DBEst	2269256
AA533251	DBEst	2277347
AA534399	DBEst	2278652
AA534549	DBEst	2278802
AA534811	DBEst	2279064
AA535076	DBEst	2279329
AA545726	DBEst	2307096
AA545816	DBEst	2307095
AA548114	DBEst	2318396
AA551773	DBEst	2322025
AA552037	DBEst	2322289
AA552635	DBEst	2322889
AA553367	DBEst	2323906
AA553746	DBEst	2324285
AA555076	DBEst	2325615
AA555310	DBEst	2325849
AA559136	DBEst	2329332
AA564097	DBEst	2335736
AA564552	DBEst	2336191
AA564843	DBEst	2336482
AA565334	DBEst	2336973
AA568657	DBEst	2341711
AA569555	DBEst	2343535
AA569764	DBEst	2343744
AA570717	DBEst	2344697
AA573761	DBEst	2348276
AA573778	DBEst	2348293
AA574223	DBEst	2348738
AA574237	DBEst	2348752
AA576425	DBEst	2353925
AA576807	DBEst	2354281
AA577525	DBEst	2354999
AA577616	DBEst	2355090
AA577685	DBEst	2355869
AA577927	DBEst	2356111
AA579620	DBEst	2357804
AA579816	DBEst	2358000
AA582596	DBEst	2359956
AA583341	DBEst	2367950
AA584921	DBEst	2367701
AA587630	DBEst	2401805
AA588002	DBEst	2402177

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ACC NUM	DATABASE	GI NBR
AA592917	DBEst	2408679
AA594479	DBEst	2409829
AA594604	DBEst	2409954
AA599039	DBEst	2432664
AA599492	DBEst	2433117
AA601029	DBEst	2434654
AA603494	DBEst	2437355
AA604610	DBEst	2445474
AA604822	DBEst	2445686
AA610377	DBEst	2458805
AA610476	DBEst	2458904
AA612781	DBEst	2463819
AA614631	DBEst	2466827
AA622198	DBEst	2526074
AA625285	DBEst	2537670
AA626098	DBEst	2538485
AA626721	DBEst	2539108
AA626793	DBEst	2539180
AA628164	DBEst	2540551
AA631211	DBEst	2553822
AA631460	DBEst	2554071
AA632025	DBEst	2555439
AA632557	DBEst	2555971
AA634799	DBEst	2558013
AA639791	DBEst	2563570
AA640129	DBEst	2563908
AA640321	DBEst	2565571
AA640505	DBEst	2565755
AA640931	DBEst	2566181
AA642033	DBEst	2567251
AA643133	DBEst	2568351
AA643361	DBEst	2568579
AA643720	DBEst	2568938
AA648757	DBEst	2575186
AA654289	DBEst	2590443
AA657463	DBEst	2593617
AA663243	DBEst	2617234
AA663700	DBEst	2617691
AA665210	DBEst	2619823
AA665983	DBEst	2620596
AA668889	DBEst	2630388
AA669462	DBEst	2630961
AA669731	DBEst	2631230
AA677977	DBEst	2658499
AA682940	DBEst	2668831
AA683543	DBEst	2670141
AA694160	DBEst	2695098
AA694227	DBEst	2695165
AA700208	DBEst	2703171
AA700741	DBEst	2703906
AA702893	DBEst	2706006
AA705032	DBEst	2714950
AA706803	DBEst	2716721
AA707711	DBEst	2717629
AA714033	DBEst	2726307
AA714782	DBEst	2727056

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ACC NUM	DATABASE	GI NBR
AA721354	DBEst	2737489
AA721972	DBEst	2739679
AA722816	DBEst	2740523
AA723038	DBEst	2740745
AA724085	DBEst	2741792
AA724987	DBEst	2742694
AA729544	DBEst	2750903
AA730055	DBEst	2753400
AA733116	DBEst	2754475
AA740967	DBEst	2779559
AA744482	DBEst	2783246
AA745779	DBEst	2785765
AA746484	DBEst	2786470
AA748064	DBEst	2788022
AA749133	DBEst	2789091
AA757907	DBEst	2805770
AA758321	DBEst	2806184
AA758574	DBEst	2806437
AA761181	DBEst	2810111
AA761827	DBEst	2810757
AA769127	DBEst	2820365
AA769310	DBEst	2820548
AA769414	DBEst	2820652
AA769673	DBEst	2820911
AA770637	DBEst	2821875
AA772830	DBEst	2825672
AA774534	DBEst	2833868
AA775616	DBEst	2834950
AA777969	DBEst	2837370
AA779747	DBEst	2839078
AA779949	DBEst	2839280
AA781635	DBEst	2840966
AA781851	DBEst	2841182
AA806277	DBEst	2875027
AA808234	DBEst	2877640
AA808668	DBEst	2878074
AA809129	DBEst	2878535
AA811413	DBEst	2881024
AA813004	DBEst	2883068
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AA824313	DBEst	2896383
AA826307	DBEst	2899619
AA827331	DBEst	2899772
AA828577	DBEst	2901676
AA831312	DBEst	2904411
AA833900	DBEst	2907499
AA834988	DBEst	2908716
AA837674	DBEst	2912873
AA838747	DBEst	2914859
AA843472	DBEst	2929990
AA843515	DBEst	2930033
AA843597	DBEst	2930115
AA843720	DBEst	2933076
AA845433	DBEst	2933192
AA846512	DBEst	2932652
AA846884	DBEst	2933024

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ACC NUM	DATABASE	GI NBR
AA846899	DBEst	2933417
AA853631	DBEst	2940370
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AA857809	DBEst	2946111
AA858396	DBEst	2946698
AA861413	DBEst	2953553
AA863095	DBEst	2955574
AA863125	DBEst	2955604
AA863145	DBEst	2955624
AA864896	DBEst	2959209
AA865338	DBEst	2957614
AA868286	DBEst	2963731
AA872185	DBEst	2968363
AA872345	DBEst	2968523
AA872608	DBEst	2968786
AA873815	DBEst	2968201
AA875835	DBEst	2985194
AA875839	DBEst	2985198
AA875996	DBEst	2984837
AA876668	DBEst	2985745
AA877789	DBEst	2986754
AA878580	DBEst	2987545
AA884751	DBEst	2994732
AA884922	DBEst	2994903
AA886283	DBEst	3001391
AA886417	DBEst	3001525
AA905491	DBEst	3040614
AA906033	DBEst	3041156
AA906865	DBEst	3042109
AA911981	DBEst	3051373
AA927681	DBEst	3076501
AA933573	DBEst	3089841
AA933777	DBEst	3090045
AA935181	DBEst	3092338
AA935904	DBEst	3093061
AA938756	DBEst	3096784
AA946653	DBEst	3110048
AA953114	DBEst	3117261
AA960755	DBEst	3127309
AA961042	DBEst	3127596
AA968537	DBEst	3143717
AA970201	DBEst	3145714
AA970749	DBEst	3146039
AA974049	DBEst	3149229
AA975791	DBEst	3151583
AA976644	DBEst	3154090
AA977019	DBEst	3154465
AA991239	DBEst	3177728
AA991285	DBEst	3177774
AA991353	DBEst	3177842
AA993569	DBEst	3180114
AA993867	DBEst	3180412
AA994857	DBEst	3181346
AA994966	DBEst	3181455
AF001541	DBEst	2529713
AF001542	DBEst	2529714

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ACC NUM	DATABASE	GI NBR
AF017688	DBEst	2435451
AF063500	DBEst	5080920
AF063558	DBEst	5080928
AF150217	DBEst	5133653
AF156968	DBEst	5649913
AI002094	DBEst	3202131
AI003516	DBEst	3203055
AI017004	DBEst	3231340
AI017255	DBEst	3231591
AI018488	DBEst	3233007
AI018671	DBEst	3232469
AI022800	DBEst	3238041
AI023964	DBEst	3239008
AI025184	DBEst	3240797
AI027516	DBEst	3246446
AI027887	DBEst	3246586
AI038602	DBEst	3277796
AI038681	DBEst	3277875
AI041116	DBEst	3280310
AI042097	DBEst	3281291
AI042523	DBEst	3281717
AI046024	DBEst	3293876
AI052686	DBEst	3308677
AI056295	DBEst	3330161
AI057529	DBEst	3331395
AI064846	DBEst	6359118
AI064914	DBEst	6359186
AI066554	DBEst	3367256
AI074623	DBEst	3401267
AI075074	DBEst	3399854
AI075652	DBEst	3404830
AI075757	DBEst	3404935
AI076953	DBEst	3404782
AI078789	DBEst	3413096
AI079693	DBEst	3415944
AI080199	DBEst	3416450
AI080290	DBEst	3416541
AI081585	DBEst	3418377
AI082497	DBEst	3419289
AI085535	DBEst	3423958
AI086391	DBEst	3424814
AI086524	DBEst	3424947
AI088754	DBEst	3427813
AI089220	DBEst	3428279
AI089651	DBEst	3428710
AI091716	DBEst	3430775
AI093177	DBEst	3432153
AI095558	DBEst	3434534
AI097105	DBEst	3446687
AI114562	DBEst	6359907
AI123875	DBEst	3539641
AI124766	DBEst	3593280
AI126005	DBEst	3594519
AI127179	DBEst	3595693
AI132918	DBEst	6360234
AI133084	DBEst	6360400

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ACC NUM	DATABASE	GI NBR
AI133208	DBEst	6360524
AI133243	DBEst	6360559
AI133342	DBEst	6360658
AI133553	DBEst	6360869
AI133690	DBEst	6361006
AI139360	DBEst	3645332
AI140904	DBEst	3648361
AI141809	DBEst	3649266
AI141847	DBEst	3649304
AI143587	DBEst	3665396
AI146368	DBEst	3674050
AI146679	DBEst	3674361
AI146863	DBEst	3674545
AI147046	DBEst	3674728
AI149242	DBEst	3677711
AI149345	DBEst	3677814
AI160930	DBEst	3694235
AI161215	DBEst	3694520
AI167378	DBEst	3700548
AI174840	DBEst	6361237
AI186203	DBEst	3736841
AI186216	DBEst	3736854
AI188112	DBEst	3739321
AI188641	DBEst	3739850
AI189067	DBEst	3740276
AI191930	DBEst	3743139
AI193151	DBEst	3744360
AI199626	DBEst	3752232
AI200836	DBEst	3753442
AI201573	DBEst	3754179
AI207618	DBEst	6361632
AI207650	DBEst	6361664
AI207850	DBEst	3769792
AI216968	DBEst	3789622
AI216969	DBEst	3789623
AI216972	DBEst	3789626
AI216986	DBEst	3789640
AI216988	DBEst	3789642
AI217003	DBEst	3789657
AI223309	DBEst	3805512
AI224982	DBEst	3807695
AI239955	DBEst.	3835352
AI250069	DBEst	3846598
AI253292	DBEst	3850413
AI253330	DBEst	3850451
AI253335	DBEst	3850456
AI253379	DBEst	3850500
AI253436	DBEst	3850391
AI253439	DBEst	3850394
AI261875	DBEst	3870078
AI262931	DBEst	3871134
AI264144	DBEst	3872347
AI267162	DBEst	3886329
AI267185	DBEst	3886352
AI267216	DBEst	3886383
AI267254	DBEst	3886421

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ACC NUM	DATABASE	GI NBR
AI267255	DBEst	3886422
AI267282	DBEst	3886449
AI267285	DBEst	3886452
AI267307	DBEst	3886474
AI267425	DBEst	3886592
AI267428	DBEst	3886595
AI267454	DBEst	3886621
AI267492	DBEst	3886659
AI267502	DBEst	3886669
AI267574	DBEst	3886741
AI267612	DBEst	3886779
AI267634	DBEst	3886801
AI267665	DBEst	3886832
AI267667	DBEst	3886834
AI267691	DBEst	3886858
AI267708	DBEst	3886875
AI267807	DBEst	3886974
AI267838	DBEst	3887005
AI267845	DBEst	3887012
AI269205	DBEst	3888372
AI271348	DBEst	3890515
AI272927	DBEst	3895195
AI274791	DBEst	3897065
AI275815	DBEst	3898089
AI281878	DBEst	3920111
AI282627	DBEst	3920860
AI283257	DBEst	3921490
AI288268	DBEst	3931988
AI288807	DBEst	3932310
AI291508	DBEst	3934282
AI298496	DBEst	3958232
AI301084	DBEst	3960430
AI301132	DBEst	3960478
AI307210	DBEst	4001966
AI307373	DBEst	4002098
AI308119	DBEst	4002754
AI308870	DBEst	4003741
AI332298	DBEst	4068857
AI339783	DBEst	4076710
AI340056	DBEst	4076983
AI346128	DBEst	4083334
AI348010	DBEst	4085216
AI350608	DBEst	4087814
AI354242	DBEst	4094395
AI354488	DBEst	4094641
AI361349	DBEst	4112970
AI362795	DBEst	4114416
AI366381	DBEst	4126070
AI366466	DBEst	4126155
AI366466	DBEst	4126155
AI366549	DBEst	4126238
AI366549	DBEst	4126238
AI367070	DBEst	4136815
AI375141	DBEst	4175131
AI375141	DBEst	4175131
AI375193	DBEst	4175183

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ACC NUM	DATABASE	GI NBR
AI375193	DBEst	4175183
AI375890	DBEst	4175880
AI375890	DBEst	4175880
AI377329	DBEst	4187182
AI377444	DBEst	4187297
AI378932	DBEst	4188785
AI379136	DBEst	4188989
AI380726	DBEst	4190579
AI384110	DBEst	4196891
AI418244	DBEst	4264175
AI418931	DBEst	4264862
AI418975	DBEst	4264906
AI422574	DBEst	4268505
AI424948	DBEst	4270866
AI433157	DBEst	4287209
AI433393	DBEst	4288865
AI433506	DBEst	4289655
AI433976	DBEst	4292947
AI435454	DBEst	4303295
AI436456	DBEst	4281845
AI439482	DBEst	4304631
AI439762	DBEst	4306588
AI446723	DBEst	4297204
AI457633	DBEst	4310502
AI458457	DBEst	4311036
AI474960	DBEst	4328005
AI478115	DBEst	4371341
AI492358	DBEst	4393361
AI492483	DBEst	4393486
AI493422	DBEst	4394425
AI493590	DBEst	4394593
AI499508	DBEst	4391490
AI523107	DBEst	4437242
AI525413	DBEst	4439548
AI538287	DBEst	4452422
AI547264	DBEst	4464752
AI554809	DBEst	4487172
AI559700	DBEst	4509905
AI564249	DBEst	4522706
AI564269	DBEst	4522726
AI564540	DBEst	4522997
AI565023	DBEst	4523480
AI566037	DBEst	4524489
AI570119	DBEst	4533493
AI580216	DBEst	4564592
AI583559	DBEst	4569456
AI587638	DBEst	4574079
AI609592	DBEst	4618759
AI609617	DBEst	4618784
AI610402	DBEst	4619569
AI621084	DBEst	4630210
AI621092	DBEst	4630218
AI621209	DBEst	4630335
AI623771	DBEst	4648702
AI623991	DBEst	4648922
AI624256	DBEst	4649187

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ACC NUM	DATABASE	GI NBR
AI624270	DBEst	4649201
AI624672	DBEst	4649603
AI625353	DBEst	4650284
AI625626	DBEst	4650557
AI627855	DBEst	4664655
AI628759	DBEst	4665559
AI630369	DBEst	4681699
AI630842	DBEst	4682172
AI632223	DBEst	4683553
AI632608	DBEst	4683938
AI632972	DBEst	4684302
AI633006	DBEst	4684336
AI633384	DBEst	4684714
AI633734	DBEst	4685064
AI634809	DBEst	4686139
AI635096	DBEst	4686426
AI635128	DBEst	4686458
AI635650	DBEst	4686980
AI635931	DBEst	4687261
AI636352	DBEst	4687682
AI637583	DBEst	4689817
AI637584	DBEst	4689818
AI638118	DBEst	4690352
AI638559	DBEst	4690793
AI640519	DBEst	4703628
AI650409	DBEst	4734388
AI651270	DBEst	4735249
AI651361	DBEst	4735340
AI671174	DBEst	4850905
AI671204	DBEst	4850935
AI672205	DBEst	4851936
AI673742	DBEst	4853473
AI680242	DBEst	4890424
AI683011	DBEst	4893193
AI683094	DBEst	4893286
AI683431	DBEst	4893613
AI684967	DBEst	4896261
AI686571	DBEst	4897865
AI686907	DBEst	4898201
AI687511	DBEst	4898805
AI690207	DBEst	4901501
AI690278	DBEst	4901572
AI693870	DBEst	4971210
AI694572	DBEst	4971912
AI697137	DBEst	4985037
AI702028	DBEst	4989928
AI732155	DBEst	5053268
AI732472	DBEst	5053585
AI732557	DBEst	5053670
AI733771	DBEst	5054884
AI740458	DBEst	5108746
AI740811	DBEst	5109099
AI741313	DBEst	5109601
AI741778	DBEst	5110066
AI743010	DBEst	5111298
AI743370	DBEst	5111658

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ACC NUM	DATABASE	GI NBR
AI744436	DBEst	5112724
AI745445	DBEst	5113733
AI750685	DBEst	5128949
AI752936	DBEst	5131200
AI753226	DBEst	5131490
AI755002	DBEst	5133266
AI765941	DBEst	5232450
AI769970	DBEst	5236479
AI770150	DBEst	5236605
AI796142	DBEst	5361605
AI796171	DBEst	5361634
AI801940	DBEst	5367412
AI803921	DBEst	5369393
AI804321	DBEst	5369793
AI804342	DBEst	5369814
AI805352	DBEst	5391918
AI806789	DBEst	5393355
AI809922	DBEst	5396488
AI810071	DBEst	5396637
AI811303	DBEst	5397869
AI811870	DBEst	5398436
AI813811	DBEst	5425026
AI814513	DBEst	5425728
AI814564	DBEst	5425779
AI814667	DBEst	5425882
AI815057	DBEst	5426272
AI815126	DBEst	5426341
AI815661	DBEst	5431207
AI816194	DBEst	5431740
AI818519	DBEst	5437598
AI819021	DBEst	5438185
AI819225	DBEst	5438304
AI828903	DBEst	5449574
AI858347	DBEst	5511963
AI859399	DBEst	5513015
AI859458	DBEst	5513074
AI860319	DBEst	5513935
AI860650	DBEst	5514266
AI860750	DBEst	5514366
AI861856	DBEst	5525884
AI863224	DBEst	5527331
AI863421	DBEst	5527528
AI870547	DBEst	5544515
AI889588	DBEst	5594752
AI904067	DBEst	6494454
AI905441	DBEst	6495828
AI913208	DBEst	5633151
AI915606	DBEst	5635461
AI916584	DBEst	5636439
AI917911	DBEst	5637766
AI922121	DBEst	5658085
AI922198	DBEst	5658162
AI924059	DBEst	5660023
AI924096	DBEst	5660060
AI925454	DBEst	5661418
AI927301	DBEst	5663265

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ACC NUM	DATABASE	GI NBR
AI927945	DBEst	5663909
AI929819	DBEst	5665783
AI933021	DBEst	5671758
AI954311	DBEst	5746621
AI961499	DBEst	5754212
AI961530	DBEst	5754243
AI963654	DBEst	5756293
AI968269	DBEst	5765087
AI969664	DBEst	5766482
AI971577	DBEst	5768403
AI982898	DBEst	5810117
AI983220	DBEst	5810439
AI984229	DBEst	5811448
AI990456	DBEst	5837337
AL035731	DBEst	5405368
AL036335	DBEst	5405918
AL036627	DBEst	5927829
AL037509	DBEst	5928155
AL037535	DBEst	5928168
AL038078	DBEst	5407385
AL042203	DBEst	5421547
AL046668	DBEst	5434731
AL046786	DBEst	5434848
AL047838	DBEst	4728026
AL048890	DBEst	4728199
AL079635	DBEst	5435211
AL121331	DBEst	5927332
AL134390	DBEst	6602577
AL134905	DBEst	6603092
AL135027	DBEst	6603214
AW008630	DBEst	5857408
AW009039	DBEst	5857817
AW019983	DBEst	5873513
AW021230	DBEst	5874760
AW021313	DBEst	5874923
AW044646	DBEst	5905175
AW051710	DBEst	5913992
AW055126	DBEst	5920829
AW058490	DBEst	5934129
AW070199	DBEst	6025197
AW070905	DBEst	6025903
AW084804	DBEst	6039956
AW088654	DBEst	6044483
AW102607	DBEst	6073220
AW104724	DBEst	6075459
AW131476	DBEst	6133083
AW137978	DBEst	6142296
AW138324	DBEst	6142642
AW152096	DBEst	6199994
AW163200	DBEst	6302233
AW166525	DBEst	6398050
AW168960	DBEst	6400485
AW170480	DBEst	6402005
AW175703	DBEst	6441649
AW176287	DBEst	6442324
AW177034	DBEst	6443071

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ACC NUM	DATABASE	GI NBR
AW177439	DBEst	6443476
AW177993	DBEst	6444030
AW178371	DBEst	6444408
AW179160	DBEst	6445197
AW189873	DBEst	6464353
AW190780	DBEst	6465260
AW193510	DBEst	6472209
AW206254	DBEst	6505743
AW238730	DBEst	6571119
AW239234	DBEst	6571624
AW242680	DBEst	6576434
AW262099	DBEst	6638915
AW269911	DBEst	6656941
AW271738	DBEst	6658768
AW293443	DBEst	6700079
AW299555	DBEst	6709232
C74984	DBEst	2366046
D12309	DBEst	2148477
F12860	DBEst	708883
F13297	DBEst	710168
H09839	DBEst	874661
H10098	DBEst	874920
H13904	DBEst	878724
H14517	DBEst	879337
H17399	DBEst	883639
H24117	DBEst	892812
H29457	DBEst	900367
H30353	DBEst	901263
H48537	DBEst	988377
H55836	DBEst	1004480
H56562	DBEst	1005206
H57064	DBEst	1009896
H60722	DBEst	1013554
H63067	DBEst	1017868
H66108	DBEst	1024848
H78517	DBEst	1056606
H86290	DBEst	1067869
H89788	DBEst	1080218
H94997	DBEst	1102630
N32181	DBEst	1152580
N32687	DBEst	1153086
N36809	DBEst	1157951
N39655	DBEst	1162862
N39800	DBEst	1163345
N40017	DBEst	1163562
N44315	DBEst	1182833
N44340	DBEst	1182858
N46886	DBEst	1188052
N51262	DBEst	1192428
N58344	DBEst	1202234
N66443	DBEst	1218568
N80300	DBEst	1243001
N95088	DBEst	1267377
R02435	DBEst	752171
R12025	DBEst	764760
R18699	DBEst	772309

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ACC NUM	DATABASE	GI NBR
R51176	DBEst	813078
R52729	DBEst	814631
R55887	DBEst	825993
R59004	DBEst	829699
R60249	DBEst	830944
R62760	DBEst	834639
R63752	DBEst	835631
R70814	DBEst	844331
R71881	DBEst	845913
R80103	DBEst	856384
R91050	DBEst	958590
R94807	DBEst	973537
T52869	DBEst	654729
T61421	DBEst	664458
T69670	DBEst	680818
T97643	DBEst	746988
W00547	DBEst	1271956
W01837	DBEst	1273817
W02910	DBEst	1274887
W19229	DBEst	1294936
W22150	DBEst	1298983
W23168	DBEst	1300015
W24682	DBEst	1301584
W25854	DBEst	1305977
W26309	DBEst	1306882
W26373	DBEst	1306928
W26688	DBEst	1305772
W27126	DBEst	1306498
W35258	DBEst	1317164
W35301	DBEst	1317207
W39381	DBEst	1321107
W44418	DBEst	1329919
W44686	DBEst	1330225
W57944	DBEst	1364882
W65413	DBEst	1373437
W67396	DBEst	1376265
W74640	DBEst	1384853
W76099	DBEst	1386343
W81258	DBEst	1392278
W87891	DBEst	1401976
W93382	DBEst	1422504
Q04492	N/A	N/A
Q13053	N/A	N/A
Q38943	N/A	N/A
Q67601	N/A	N/A
V60015	N/A	N/A
V88953	N/A	N/A
X39756	N/A	N/A
X40197	N/A	N/A
X40886	N/A	N/A
X52239	GenBank	35089
X59820	GenBank	58938
Z09235	N/A	N/A
Z16252	N/A	N/A
Z18356	DBEst	30768
Z24812	DBEst	395450

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ACC NUM	DATABASE	GI NBR
Z24868	DBEst	395506
Z25346	DBEst	396027
Z41231	DBEst	566987
AC02059	N/A	N/A
AC10438	N/A	N/A
AC31452	N/A	N/A
AC32759	N/A	N/A
AC33481	N/A	N/A
AC33518	N/A	N/A
AC33797	N/A	N/A
AC34190	N/A	N/A
AC34331	N/A	N/A
AC34441	N/A	N/A
AC34797	N/A	N/A
AC35182	N/A	N/A
AC35777	N/A	N/A
AC36063	N/A	N/A
AC36081	N/A	N/A
AC36097	N/A	N/A
AC36099	N/A	N/A
AC36107	N/A	N/A
AC36124	N/A	N/A
AC36180	N/A	N/A
AC36206	N/A	N/A
AC36219	N/A	N/A
AC36383	N/A	N/A
AC36731	N/A	N/A
AC36796	N/A	N/A
AC36822	N/A	N/A
AC36930	N/A	N/A
AC37080	N/A	N/A
AC37086	N/A	N/A
A14571	GenBank	490133
A26609	GenBank	1247462
A39900	GenBank	2296118
A43165	GenBank	2298541
A43167	GenBank	2298543
AB002332	GenBank	2224608
AB002334	GenBank	2224612
AB002375	GenBank	2280486
AB004064	GenBank	6983841
AB006780	GenBank	2385451
AB006781	GenBank	2385453
AB007510	GenBank	2463576
AB007922	GenBank	6634036
AB007940	GenBank	3413903
AB008164	GenBank	3149949
AB008822	GenBank	3401911
AB009424	GenBank	2696112
AB011132	GenBank	6635202
AB012122	GenBank	3132307
AB014598	GenBank	3327209
AB014610	GenBank	3327233
AB015333	GenBank	3970855
AB018001	GenBank	6521209
AB018257	GenBank	3882148

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ACC NUM	DATABASE	GI NBR
AB018334	GenBank	3882302
AB019490	GenBank	4760540
AB019568	GenBank	3885371
AB020337	GenBank	4835502
AB020636	GenBank	4240146
AB020643	GenBank	4240160
AB020657	GenBank	4240188
AB020867	GenBank	4003387
AB023052	GenBank	5672607
AB023227	GenBank	4589669
AB028624	GenBank	5103045
AB032988	GenBank	6330164
AB033058	GenBank	6330721
AB033899	GenBank	6174679
AB035541	GenBank	6539527
AC000092	GenBank	3810628
AC000353	GenBank	6970735
AC000394	GenBank	2133911
AC001226	GenBank	2133862
AC002041	GenBank	2576343
AC002357	GenBank	2815516
AC002553	GenBank	3126783
AC003108	GenBank	2833632
AC003669	GenBank	2981246
AC003688	GenBank	3789719
AC003983	GenBank	2769694
AC004231	GenBank	2995603
AC004785	GenBank	3172146
AC004823	GenBank	4156207
AC004865	GenBank	4156195
AC004877	GenBank	3638954
AC004902	GenBank	5757546
AC004974	GenBank	3970965
AC004993	GenBank	3638948
AC005037	GenBank	4827310
AC005046	GenBank	6094632
AC005229	GenBank	4153865
AC005249	GenBank	3287720
AC005296	GenBank	3928041
AC005531	GenBank	4153875
AC005598	GenBank	4589944
AC005611	GenBank	3540154
AC005832	GenBank	4165004
AC005837	GenBank	3849820
AC005838	GenBank	3947427
AC005858	GenBank	3789700
AC006016	GenBank	4508142
AC006043	GenBank	4156139
AC006064	GenBank	4572650
AC006077	GenBank	3935193
AC006153	GenBank	4309917
AC006238	GenBank	4204704
AC006323	GenBank	4753259
AC006353	GenBank	4699957
AC006430	GenBank	6453929
AC006461	GenBank	4508128

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ACC NUM	DATABASE	GI NBR
AC006509	GenBank	5815507
AC006985	GenBank	5732165
AC007041	GenBank	5708471
AC007068	GenBank	4926862
AC007372	GenBank	4927301
AC007381	GenBank	6604532
AC007406	GenBank	4689442
AC007688	GenBank	5815499
AC007878	GenBank	5732161
AC008056	GenBank	6456144
AC008080	GenBank	5540113
AC008268	GenBank	6604540
AC009330	GenBank	6553960
AC009510	GenBank	6449479
AE000658	GenBank	2358019
AF000380	GenBank	2565193
AF001549	GenBank	3355302
AF004230	GenBank	2343108
AF004339	GenBank	2245559
AF005422	GenBank	2209234
AF007791	GenBank	3779196
AF009702	GenBank	3252850
AF012281	GenBank	2944188
AF013758	GenBank	3046899
AF016694	GenBank	2454618
AF017269	GenBank	2394305
AF020038	GenBank	3641397
AF023338	GenBank	2564677
AF030107	GenBank	2598184
AF030310	GenBank	2613043
AF038451	GenBank	3779225
AF038452	GenBank	3779227
AF038650	GenBank	4511880
AF038965	GenBank	2791679
AF041449	GenBank	3282746
AF044961	GenBank	3098513
AF046024	GenBank	3342563
AF052577	GenBank	3493208
AF054179	GenBank	3341999
AF054284	GenBank	4033734
AF054838	GenBank	2997740
AF057299	GenBank	5739040
AF062322	GenBank	3152822
AF065388	GenBank	3152700
AF065391	GenBank	4191326
AF065869	GenBank	3831609
AF068302	GenBank	4584876
AF070666	GenBank	4454707
AF086183	GenBank	3483528
AF086243	GenBank	3483588
AF088219	GenBank	3719360
AF088867	GenBank	6652811
AF090891	GenBank	6690159
AF097021	GenBank	3860076
AF100740	GenBank	5138990
AF100756	GenBank	5410297

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ACC NUM	DATABASE	GI NBR
AF102542	GenBank	4204683
AF105277	GenBank	4140703
AF112217	GenBank	6563221
AF113016	GenBank	6642755
AF113676	GenBank	6855600
AF124598	GenBank	4884701
AF126181	GenBank	4732088
AF130342	GenBank	5430714
AF131775	GenBank	4406599
AF132818	GenBank	6580834
AF133423	GenBank	6434899
AF134726	GenBank	4529886
AF137030	GenBank	6649056
AF137334	GenBank	4583504
AF146191	GenBank	5678818
AF151097	GenBank	5880857
AF151892	GenBank	4929736
AF151908	GenBank	4929768
AF153201	GenBank	5020361
AF154840	GenBank	5712734
AF161414	GenBank	6841241
AF161542	GenBank	6841351
AF165142	GenBank	5499748
AF177533	GenBank	5919124
AF181972	GenBank	6636098
AF196478	GenBank	6274496
AF198455	GenBank	6685008
AF203815	GenBank	6979641
AF221069	GenBank	6715517
AJ000334	GenBank	2764504
AJ001306	GenBank	2370148
AJ002744	GenBank	6318185
AJ006996	GenBank	3378627
AJ010597	GenBank	3559873
AJ011497	GenBank	4128014
AJ011930	GenBank	3859769
AJ238979	GenBank	5689749
AJ242015	GenBank	4757043
AK000055	GenBank	7019890
AK000070	GenBank	7019918
AK000168	GenBank	7020079
AK000234	GenBank	7020183
AK000484	GenBank	7020603
AK000683	GenBank	7020929
AL031591	GenBank	6006484
AL031652	GenBank	9368398
AL031710	GenBank	9798435
AL034343	GenBank	5931807
AL034553	GenBank	5419653
AL035661	GenBank	6015535
AL049367	GenBank	4500158
AL080075	GenBank	5262485
AL080274	GenBank	7594620
AL096701	GenBank	5912599
AL110100	GenBank	5777884
AL110224	GenBank	5817159

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ACC NUM	DATABASE	GI NBR
AL117543	GenBank	5912075
AL122120	GenBank	6102946
AL132708	GenBank	7009592
AL133010	GenBank	6453416
AL133371	GenBank	6634066
AP000068	GenBank	4579989
AP000349	GenBank	5103012
AP000523	GenBank	5931501
D00017	GenBank	219909
D00137	GenBank	219427
D00183	GenBank	219451
D00408	GenBank	220148
D13388	GenBank	219587
D14043	GenBank	219924
D16913	GenBank	598733
D17039	GenBank	598762
D23660	GenBank	432358
D30648	GenBank	506337
D38112	GenBank	644480
D38583	GenBank	560790
D50405	GenBank	1665722
D50929	GenBank	1469200
D63486	GenBank	1469885
D78152	GenBank	1060889
D79996	GenBank	1136407
D86326	GenBank	2988343
D87119	GenBank	1507671
D87666	GenBank	1620016
D87667	GenBank	1620019
D87845	GenBank	1765863
E00195	GenBank	2168491
E01094	GenBank	2169353
E01574	GenBank	2169827
E01630	GenBank	2169883
E01888	GenBank	2170137
E01956	GenBank	2170204
E01971	GenBank	2170219
E01972	GenBank	2170220
E02192	GenBank	2170430
E02628	GenBank	2170856
E02904	GenBank	2171126
E14558	GenBank	5709241
J02621	GenBank	184229
J02763	GenBank	179765
J03037	GenBank	179771
J03133	GenBank	339517
J03798	GenBank	338264
J03801	GenBank	187243
J04813	GenBank	181345
J05016	GenBank	181507
J05036	GenBank	181193
J05594	GenBank	1203981
K01177	GenBank	178352
K02100	GenBank	189406
K03028	GenBank	340308
L02785	GenBank	291963

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ACC NUM	DATABASE	GI NBR
L04143	GenBank	180574
L07093	GenBank	307443
L07633	GenBank	186512
L11708	GenBank	306461
L13806	GenBank	306554
L15203	GenBank	402482
L19956	GenBank	306456
L20826	GenBank	405229
L20941	GenBank	507251
L25877	GenBank	1177797
L26985	GenBank	438625
L27476	GenBank	498012
L37080	GenBank	559045
M10050	GenBank	182355
M10617	GenBank	182357
M11567	GenBank	178249
M12075	GenBank	182203
M15943	GenBank	178120
M16234	GenBank	180240
M16337	GenBank	180212
M17082	GenBank	180230
M17303	GenBank	178676
M18079	GenBank	182351
M18216	GenBank	178690
M18728	GenBank	189084
M18907	GenBank	181373
M24847	GenBank	338054
M26481	GenBank	619789
M27971	GenBank	187621
M29540	GenBank	180222
M32306	GenBank	181132
M34181	GenBank	189982
M35252	GenBank	180925
M60484	GenBank	190225
M65209	GenBank	184444
M67480	GenBank	190364
M73489	GenBank	338501
M77693	GenBank	338391
M82962	GenBank	535474
M84424	GenBank	181203
S82081	GenBank	1488412
U03272	GenBank	437971
U04313	GenBank	453368
U07809	GenBank	469036
U07969	GenBank	483391
U11292	GenBank	510689
U12472	GenBank	763404
U12535	GenBank	530822
U14972	GenBank	550024
U16798	GenBank	806751
U17104	GenBank	609307
U26032	GenBank	1072033
U26424	GenBank	1203795
U30897	GenBank	2076716
U30930	GenBank	1407589
U31449	GenBank	953238

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ACC NUM	DATABASE	GI NBR
U33632	GenBank	1086490
U37100	GenBank	3150034
U43188	GenBank	1420888
U50078	GenBank	4220427
U60337	GenBank	2809322
U70426	GenBank	1813543
U72935	GenBank	1778349
U73645	GenBank	1737200
U77604	GenBank	1747520
U78045	GenBank	1688257
U91321	GenBank	2951946
U95367	GenBank	2197000
X00270	GenBank	28611
X02902	GenBank	30884
X03363	GenBank	31197
X04106	GenBank	35327
X04297	GenBank	28926
X05030	GenBank	35712
X05231	GenBank	38266
X06272	GenBank	30865
X13238	GenBank	1200056
X51698	GenBank	36558
X53586	GenBank	33943
X55544	GenBank	287642
X55733	GenBank	288099
X62946	GenBank	35280
X63597	GenBank	36644
X65614	GenBank	36177
X68314	GenBank	31880
X73502	GenBank	406853
X75861	GenBank	456258
X90579	GenBank	945005
X93036	GenBank	1085025
X93207	GenBank	2462486
Y00339	GenBank	29586
Y00345	GenBank	35569
Y09616	GenBank	2058317
Y13829	GenBank	2765349
Z11502	GenBank	33979
Z13009	GenBank	31072
Z26317	GenBank	416177
Z47553	GenBank	623241
Z84488	GenBank	2058316
Z98257	GenBank	2956660
AA001805	DBEst	1445619
AA007395	DBEst	1463390
AA019334	DBEst	1482745
AA035089	DBEst	1507287
AA035416	DBEst	1507073
AA039276	DBEst	1515554
AA040122	DBEst	1516400
AA053102	DBEst	1544242
AA053763	DBEst	1544689
AA055606	DBEst	1547963
AA055880	DBEst	1548218
AA082736	DBEst	1624794

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ACC NUM	DATABASE	GI NBR
AA083266	DBEst	1625387
AA083371	DBEst	1625431
AA088187	DBEst	1633745
AA088770	DBEst	1634335
AA093033	DBEst	1638238
AA099433	DBEst	1645322
AA099673	DBEst	1645786
AA099805	DBEst	1646696
AA100719	DBEst	1647074
AA100852	DBEst	1647269
AA101894	DBEst	1645435
AA102326	DBEst	1647016
AA120822	DBEst	1678017
AA122301	DBEst	1678557
AA126809	DBEst	1686309
AA130541	DBEst	1692094
AA130926	DBEst	1692416
AA132182	DBEst	1693860
AA132183	DBEst	1693861
AA132297	DBEst	1693804
AA132598	DBEst	1694087
AA132642	DBEst	1694149
AA132964	DBEst	1694462
AA133748	DBEst	1690716
AA134106	DBEst	1691318
AA134283	DBEst	1691828
AA134921	DBEst	1696022
AA135001	DBEst	1696102
AA143780	DBEst	1713167
AA148768	DBEst	1721623
AA149065	DBEst	1719537
AA149518	DBEst	1720336
AA152037	DBEst	1720875
AA156215	DBEst	1727895
AA159272	DBEst	1734074
AA159307	DBEst	1734155
AA164354	DBEst	1741301
AA167094	DBEst	1745470
AA172133	DBEst	1751253
AA173559	DBEst	1753691
AA179187	DBEst	1760556
AA180137	DBEst	1761403
AA186376	DBEst	1774477
AA187740	DBEst	1773941
AA188065	DBEst	1774258
AA195525	DBEst	1785228
AA195993	DBEst	1791567
AA218693	DBEst	1832785
AA223515	DBEst	1844057
AA242891	DBEst	1873684
AA243032	DBEst	1873828
AA244356	DBEst	1875081
AA251305	DBEst	1886486
AA278907	DBEst	1920508
AA279679	DBEst	1921162
AA280392	DBEst	1921930

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ACC NUM	DATABASE	GI NBR
AA280704	DBEst	1923401
AA287196	DBEst	1934247
AA293695	DBEst	1941477
AA294978	DBEst	1947312
AA295348	DBEst	1947743
AA295380	DBEst	1947714
AA295400	DBEst	1947754
AA295485	DBEst	1947839
AA295520	DBEst	1947854
AA296956	DBEst	1949516
AA297883	DBEst	1950216
AA298099	DBEst	1950579
AA298786	DBEst	1951118
AA300544	DBEst	1952876
AA303445	DBEst	1955999
AA304043	DBEst	1956376
AA305819	DBEst	1958147
AA306364	DBEst	1958743
AA307115	DBEst	1959445
AA307513	DBEst	1959842
AA307590	DBEst	1959920
AA307644	DBEst	1959973
AA307697	DBEst	1960187
AA307789	DBEst	1960339
AA307800	DBEst	1960127
AA308400	DBEst	1960729
AA308533	DBEst	1960861
AA313108	DBEst	1965456
AA313200	DBEst	1965559
AA313517	DBEst	1965918
AA313549	DBEst	1965879
AA313603	DBEst	1966151
AA313804	DBEst	1966133
AA314146	DBEst	1966495
AA314225	DBEst	1966574
AA314372	DBEst	1966701
AA314847	DBEst	1967176
AA315049	DBEst	1967529
AA315069	DBEst	1967408
AA315469	DBEst	1967798
AA315689	DBEst	1968107
AA315881	DBEst	1968421
AA315896	DBEst	1968224
AA315933	DBEst	1968332
AA315993	DBEst	1968342
AA316156	DBEst	1968505
AA316525	DBEst	1968853
AA316863	DBEst	1969191
AA316874	DBEst	1969202
AA317144	DBEst	1969699
AA321236	DBEst	1973563
AA321823	DBEst	1974171
AA328803	DBEst	1981078
AA341020	DBEst	1993258
AA343168	DBEst	1995489
AA344374	DBEst	1996785

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ACC NUM	DATABASE	GI NBR
AA362430	DBEst	2014759
AA367446	DBEst	2019764
AA376925	DBEst	2029242
AA377129	DBEst	2029457
AA400749	DBEst	2054628
AA401522	DBEst	2053800
AA410972	DBEst	2070131
AA411712	DBEst	2069501
AA420789	DBEst	2094677
AA421562	DBEst	2100387
AA424070	DBEst	2103040
AA434120	DBEst	2139034
AA451679	DBEst	2165348
AA452027	DBEst	2165696
AA452340	DBEst	2166009
AA454884	DBEst	2177660
AA465494	DBEst	2191661
AA471027	DBEst	2198336
AA478898	DBEst	2207532
AA485460	DBEst	2214679
AA486673	DBEst	2216837
AA486704	DBEst	2216868
AA487468	DBEst	2217632
AA488588	DBEst	2216019
AA502781	DBEst	2237748
AA507265	DBEst	2243704
AA507595	DBEst	2244034
AA508861	DBEst	2246364
AA514776	DBEst	2254376
AA515094	DBEst	2254694
AA521472	DBEst	2262015
AA523697	DBEst	2264625
AA523877	DBEst	2264805
AA524023	DBEst	2264951
AA527185	DBEst	2269254
AA527188	DBEst	2269257
AA534147	DBEst	2278163
AA534445	DBEst	2278698
AA535703	DBEst	2279956
AA545726	DBEst	2307096
AA548231	DBEst	2318513
AA548343	DBEst	2318625
AA551581	DBEst	2321833
AA551820	DBEst	2322072
AA551912	DBEst	2322164
AA552037	DBEst	2322289
AA552106	DBEst	2322358
AA552253	DBEst	2322505
AA552328	DBEst	2322580
AA552696	DBEst	2322950
AA553446	DBEst	2323985
AA553880	DBEst	2324419
AA555209	DBEst	2325748
AA559040	DBEst	2329807
AA568218	DBEst	2341272
AA573742	DBEst	2348257

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ACC NUM	DATABASE	GI NBR
AA573762	DBEst	2348277
AA573811	DBEst	2348326
AA573904	DBEst	2348419
AA573910	DBEst	2348425
AA577501	DBEst	2354975
AA579613	DBEst	2357797
AA579753	DBEst	2357937
AA581220	DBEst	2358992
AA581222	DBEst	2358994
AA581264	DBEst	2359036
AA581266	DBEst	2359038
AA582738	DBEst	2360098
AA582844	DBEst	2360204
AA583270	DBEst	2367879
AA583339	DBEst	2367948
AA584940	DBEst	2367720
AA587613	DBEst	2401788
AA587700	DBEst	2401875
AA588034	DBEst	2402209
AA588081	DBEst	2402256
AA593864	DBEst	2408542
AA594472	DBEst	2409822
AA612829	DBEst	2463867
AA625375	DBEst	2537760
AA627508	DBEst	2539603
AA628768	DBEst	2541155
AA630444	DBEst	2553055
AA632063	DBEst	2555477
AA635034	DBEst	2558248
AA642260	DBEst	2567478
AA643720	DBEst	2568938
AA649738	DBEst	2577066
AA653489	DBEst	2589660
AA657463	DBEst	2593617
AA663907	DBEst	2617898
AA668344	DBEst	2629843
AA679704	DBEst	2660226
AA694055	DBEst	2694993
AA700442	DBEst	2703405
AA700588	DBEst	2703551
AA704322	DBEst	2714240
AA706347	DBEst	2716265
AA706687	DBEst	2716605
AA706930	DBEst	2716848
AA724868	DBEst	2742575
AA732222	DBEst	2752829
AA773540	DBEst	2825111
AA777969	DBEst	2837370
AA826086	DBEst	2899398
AA826562	DBEst	2898388
AA826765	DBEst	2900762
AA826766	DBEst	2900763
AA828073	DBEst	2900436
AA833900	DBEst	2907499
AA838075	DBEst	2913732
AA844970	DBEst	2931421

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ACC NUM	DATABASE	GI NBR
AA845338	DBEst	2933097
AA847552	DBEst	2934070
AA862706	DBEst	2955185
AA884922	DBEst	2994903
AA902388	DBEst	3037511
AA908761	DBEst	3048166
AA909945	DBEst	3049235
AA911688	DBEst	3051052
AA938013	DBEst	3096124
AA971278	DBEst	3146568
AA977276	DBEst	3154722
AA988330	DBEst	3174022
AF017688	DBEst	2435451
AF121164	DBEst	4886240
AI005038	DBEst	3214548
AI005303	DBEst	3214813
AI017264	DBEst	3231600
AI018578	DBEst	3233097
AI023791	DBEst	3238835
AI028417	DBEst	3245726
AI037890	DBEst	3277084
AI040784	DBEst	3279993
AI056882	DBEst	3330671
AI064691	DBEst	6358963
AI074261	DBEst	3400905
AI075074	DBEst	3399854
AI075324	DBEst	3399895
AI079233	DBEst	3415484
AI092893	DBEst	3431869
AI096933	DBEst	3446515
AI114651	DBEst	6359996
AI128007	DBEst	3596521
AI144349	DBEst	3666158
AI148656	DBEst	3677125
AI168753	DBEst	3701923
AI174742	DBEst	6361120
AI192593	DBEst	3743802
AI215187	DBEst	3778788
AI216969	DBEst	3789623
AI216988	DBEst	3789642
AI217035	DBEst	3789689
AI220547	DBEst	3802750
AI241478	DBEst	3836875
AI241666	DBEst	3837063
AI244189	DBEst	3839586
AI244244	DBEst	3839641
AI250167	DBEst	3846696
AI253335	DBEst	3850456
AI262029	DBEst	3870232
AI262264	DBEst	3870467
AI267161	DBEst	3886328
AI267162	DBEst	3886329
AI267185	DBEst	3886352
AI267194	DBEst	3886361
AI267216	DBEst	3886383
AI267254	DBEst	3886421

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ACC NUM	DATABASE	GI NBR
AI267282	DBEst	3886449
AI267285	DBEst	3886452
AI267316	DBEst	3886483
AI267454	DBEst	3886621
AI267492	DBEst	3886659
AI267502	DBEst	3886669
AI267612	DBEst	3886779
AI267665	DBEst	3886832
AI267691	DBEst	3886858
AI267708	DBEst	3886875
AI267850	DBEst	3887017
AI275765	DBEst	3898039
AI275979	DBEst	3898253
AI279141	DBEst	3917375
AI282504	DBEst	3920737
AI286334	DBEst	3924567
AI301835	DBEst	3961181
AI307578	DBEst	4002303
AI310154	DBEst	4005025
AI313263	DBEst	4018868
AI318551	DBEst	4034484
AI338190	DBEst	4075117
AI345047	DBEst	4082253
AI346914	DBEst	4084120
AI346975	DBEst	4084181
AI347909	DBEst	4085115
AI354639	DBEst	4094792
AI366381	DBEst	4126070
AI380363	DBEst	4190216
AI432306	DBEst	4309261
AI433157	DBEst	4287209
AI433976	DBEst	4292947
AI445979	DBEst	4291997
AI452604	DBEst	4286517
AI453405	DBEst	4281647
AI458391	DBEst	4310970
AI470301	DBEst	4332391
AI470732	DBEst	4332822
AI473526	DBEst	4326571
AI476195	DBEst	4329240
AI494555	DBEst	4395558
AI520713	DBEst	4434848
AI520775	DBEst	4434910
AI521059	DBEst	4435194
AI521515	DBEst	4435650
AI521578	DBEst	4435713
AI535983	DBEst	4450118
AI554360	DBEst	4486723
AI566493	DBEst	4524945
AI567502	DBEst	4525954
AI571582	DBEst	4534956
AI583514	DBEst	4569411
AI587104	DBEst	4573545
AI587377	DBEst	4573818
AI587485	DBEst	4573926
AI597771	DBEst	4606819

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ACC NUM	DATABASE	GI NBR
AI598121	DBEst	4607169
AI620284	DBEst	4629410
AI636208	DBEst	4687538
AI640638	DBEst	4703747
AI671640	DBEst	4851371
AI674913	DBEst	4875393
AI674928	DBEst	4875408
AI677998	DBEst	4888180
AI678643	DBEst	4888825
AI678696	DBEst	4888878
AI678780	DBEst	4888962
AI690207	DBEst	4901501
AI693877	DBEst	4971217
AI697470	DBEst	4985370
AI698117	DBEst	4986017
AI698516	DBEst	4986416
AI700750	DBEst	4988650
AI720421	DBEst	5037677
AI732541	DBEst	5053654
AI732978	DBEst	5054091
AI733116	DBEst	5054229
AI739440	DBEst	5101421
AI768854	DBEst	5235363
AI792758	DBEst	5340474
AI793160	DBEst	5340876
AI801443	DBEst	5366915
AI814075	DBEst	5425290
AI815987	DBEst	5431533
AI817883	DBEst	5436962
AI826957	DBEst	5447628
AI828295	DBEst	5448966
AI828399	DBEst	5449070
AI828567	DBEst	5449238
AI866820	DBEst	5530851
AI867294	DBEst	5540310
AI889293	DBEst	5594457
AI889861	DBEst	5595025
AI904486	DBEst	6494873
AI909749	DBEst	6500429
AI919553	DBEst	5639408
AI921387	DBEst	5657351
AI924096	DBEst	5660060
AI935710	DBEst	5674580
AI953004	DBEst	5745314
AI955780	DBEst	5748090
AI962179	DBEst	5754892
AI963511	DBEst	5756224
AI970072	DBEst	5766892
AI972614	DBEst	5769440
AW004796	DBEst	5853574
AW007623	DBEst	5856327
AW028601	DBEst	5887357
AW043906	DBEst	5904435
AW052041	DBEst	5914400
AW084608	DBEst	6039760
AW084759	DBEst	6039911

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ACC NUM	DATABASE	GI NBR
AW129909	DBEst	6127349
AW151973	DBEst	6199793
AW182560	DBEst	6451020
AW238411	DBEst	6570800
AW246317	DBEst	6589310
AW360772	DBEst	6865422
AW363244	DBEst	6867894
AW363628	DBEst	6868278
AW364573	DBEst	6869223
AW364741	DBEst	6869495
AW372296	DBEst	6877054
AW373627	DBEst	6878281
AW374874	DBEst	6879528
AW377104	DBEst	6881767
AW387793	DBEst	6892452
AW438905	DBEst	6974211
H39906	DBEst	915958
H47306	DBEst	923358
H47543	DBEst	923595
H48650	DBEst	988490
H87671	DBEst	1069250
H88396	DBEst	1069975
H94341	DBEst	1101974
N23608	DBEst	1137758
N28756	DBEst	1146992
N31762	DBEst	1152161
N48531	DBEst	1189697
N53922	DBEst	1195088
N90327	DBEst	1443654
N95131	DBEst	1267440
R23661	DBEst	778549
R31752	DBEst	787595
R33974	DBEst	789832
R91325	DBEst	958865
R96709	DBEst	982369
T28629	DBEst	610727
T29561	DBEst	611659
T50929	DBEst	652789
T83911	DBEst	712199
T86663	DBEst	715015
T89494	DBEst	718007
T93569	DBEst	726742
T94633	DBEst	728121
U47705	DBEst	1197696
U47732	DBEst	1197723
W27731	DBEst	1307679
W47445	DBEst	1332105
W52793	DBEst	1350433
W53028	DBEst	1349928
Q11371	N/A	N/A
Q31691	N/A	N/A
V17199	N/A	N/A
V68057	N/A	N/A
V84373	N/A	N/A
X22123	N/A	N/A
X40354	N/A	N/A

TABLE 6-1

ACC_NUM	DATABASE	GI_NBR
X90442	GenBank	1066226
Z13121	N/A	N/A
AC32788	N/A	N/A
AC34471	N/A	N/A
AC35162	N/A	N/A
AC35231	N/A	N/A

Table 7A

Median Expression of Normals	ratio Ca/Norm sow1	ratio Ca/Norm jov860	ratio Ca/Norm jov891	ratio Ca/Norm jov908	ratio Ca/Norm jov916	ratio Ca/Norm jov916p6	ratio Ca/Norm jov926	ratio Ca/Norm jov928	ratio Ca/Norm ov167	ratio Ca/Norm ov017	ratio Ca/Norm ov177	ratio Ca/Norm ov202	ratio Ca/Norm ov207	ratio Ca/Norm ov266	GI Accession Number
0.9	42.4		13.8	17.6	91.6	164.0		38.2	34.3	31.7	76.9	18.5		299.7	1730508
0.1				1511.9	5095.4				648.5	967.7	63.7		6.0	2795.0	631308
0.0	73640.2		33315.5		80645.2		35253.8	41176.5							5922009
0.0				21438.4					41436.6	46430.9	84145.3			125757.6	3882245
6.7					13.0				5.3		8.0	11.8		41.8	124058
1.7				23.0			55.7	20.5						236.3	37227
0.0					71121.4				2546.2	54556.7	88763.0			340806.1	333305
0.0									66083.5	26988.1				386363.6	4506155
0.8									100.5	19.5	45.8				4503113
5.7					17.2				1.8	0.9	31.8		8.2		4487799
9.8	8.6		4.1	5.6		6.6	6.5	3.6							67514
3.7	8.9			11.7		6.0		3.0							115711
2.1								6.0		2.3	26.7			63.6	4505185
0.0	85564.9	22508.4		94162.6	40087.1				29288.7						4506333
0.0				49246.6											116981
0.0				63219.2						2043.3			41810.1		2146905
0.0				86301.4					97354.1	14397.2					4506157
0.0				55066.5					10283.7					181818.2	5091917
2.8								16.0	10.9					78.5	4503143
0.0									58318.8	6648.9	3894.0			255303.0	1665815
0.0					41321.0		21810.7			9503.5			28561.7		4557711
0.0	53765.7	19431.4													72146
0.0			44020.4			54248.4		81.4							125000
0.5	321.9					12.5									4758078
3.4			11.4												2920804
0.0				43424.7											4502957
0.0				62054.8					5344.5	1120.6					432756
0.0				32534.2					5563.0						3334194
0.0															4503681
0.0											94920.0	128606.7		178787.9	3242753
0.0											57567.7				1711393
0.0									1243.7	10892.9					4502029
0.0											76961.2		54271.2		138841
0.0											7096.2		28561.7		178540
0.0									7873.9		13699.3				2784784
0.0									1479.0	3758.9					4505787
0.0									47278.9	21578.0					4569283
0.0									28630.0	6276.6					4826950
0.0									13487.3			122019.5			6567166
0.1															2851418
8.2	7.2		3.9				4.4	9.0	176.6	23.8			3.0		2506818

Table 7B

Median Expression of Normals	ratio Ca/Norm sew1	ratio Ca/Norm jov860	ratio Ca/Norm jov891	ratio Ca/Norm jov908	ratio Ca/Norm jov915	ratio Ca/Norm jov915p8	ratio Ca/Norm jov926	ratio Ca/Norm jov928	ratio Ca/Norm ov167	ratio Ca/Norm ov017	ratio Ca/Norm ov177	ratio Ca/Norm ov202	ratio Ca/Norm ov207	ratio Ca/Norm ov266	GI Accession Number
0.0				21712.3											2370200
0.0															4583545
0.0							3607.7								1730570
0.0	60054.4				82795.7										1272664
0.0															1703025
0.0				25000.0	59600.6										2290972
0.0	65899.6														5912281
0.0															4248640
0.0				35547.9	35791.1										38267
0.0															4758028
0.0	17887.0							20576.1					18035.7		4758236
0.0															106925
0.0									8991.5						4487633
0.0									17869.0						115654
0.0													112313.5		129260
0.0											48540.1				364011
0.0														151515.2	728998
0.0												157983.1			1000056
0.0											86818.4				1070458
0.0											50030.5	88168.0			1083082
0.0												33394.8			2072780
0.0												156717.1			2072780
0.0												122661.7			2389011
0.0												30183.8			2828415
0.0															2851576
0.0											13083.6		42728.3		4501989
0.0															4503141
0.0												288167.6			4503271
0.0												43394.9			4503987
0.0										2039.0					4504029
0.0														14924.2	4504165
0.0											14109.7		23838.4		4557327
0.0									31487.1						4758116
0.0															4826673
0.0															5031891
0.0									3630.2		44227.6				4502693
0.0														107272.7	4504953

Table 7C

Median Expression of Normals	ratio Ca/Norm sew1	ratio Ca/Norm jov860	ratio Ca/Norm jov891	ratio Ca/Norm jov908	ratio Ca/Norm jov915	ratio Ca/Norm jov915p6	ratio Ca/Norm jov928	ratio Ca/Norm jov928	ratio Ca/Norm ov167	ratio Ca/Norm ov017	ratio Ca/Norm ov177	ratio Ca/Norm ov202	ratio Ca/Norm ov207	ratio Ca/Norm ov266	GI Acession Number
22.2															4505433
60.0															6672071
27.6															4506425
63.5															3724282
33.8															4505595
6.1															4759088
1.0															5031809
16.2															386984
9.1															similar to 2842844
30.5															3766451
12.0															4826834
33.8												1.3		5.8	4506467
24.7															253483
7.8								0.4	3.3						4506641
7.2							66.6								189308
0.8															4506141

Table 7D

Median Expression of Normals	ratio Ca/Norm aswt	ratio Ca/Norm jov650	ratio Ca/Norm jov891	ratio Ca/Norm jov908	ratio Ca/Norm jov916	ratio Ca/Norm jov915p6	ratio Ca/Norm jov928	ratio Ca/Norm jov928	ratio Ca/Norm ov167	ratio Ca/Norm ov417	ratio Ca/Norm ov177	ratio Ca/Norm ov202	ratio Ca/Norm ov207	ratio Ca/Norm ov266	GI Accession Number
12.7	9.1				5.5			0.6	0.6			24.3			4503251
14.9	5.6	0.8				4.1	3.9	2.7	2.0	3.7	0.2		5.3	3.1	135717
17.2									1.3	0.2	3.5	10.4		17.4	268642
22.9	1.8	0.2	0.2	0.8								5.5		10.7	1203969
78.7				0.7	1.4			0.8	0.7	0.9	1.7	1.9	0.3	6.7	5031863
56.3					2.2		0.4	0.5		2.1	1.3		0.8	14.6	4504817
17.1									0.3	0.1	2.6	4.9		14.3	4240311
14.7											2.6	8.8			307107
6.0							1.0	2.9	0.3			1.0			4503125
10.7									1.6						4503565
6.2	9.8							1.8	6.0		3.6	23.7			4764244
1.0															4507287
1.0						16.1		1.8							3164993
155.5	0.6	0.1	0.1	0.5	1.2	0.0	0.2	21.5	0.3	0.3	0.8	1.5	0.1	3.2	4757826
118.9	0.8		0.2			0.3	0.3	0.1	0.3		0.2	0.8	0.1		4504619
227.8	0.3	0.3	0.5			0.6	0.5	0.3	0.2	0.0		1.3			4507171
173.9	2.3	0.5	0.7		1.0	0.6	0.2	0.2	0.1			0.2	0.1		220125
98.9	0.5			0.6	1.0	1.0		0.3	0.5	0.7	0.1		0.2	4.5	4557385
56.0	0.6		0.2			0.5	0.3	0.8	0.0	0.1	0.1	1.5	0.1	2.3	4503361
93.7	0.4	0.3	0.4		0.2	0.5	0.5	0.3	0.3	0.0					5901956
173.9	0.4	0.2	0.4			0.9	0.4	0.3							306997
89.1	0.9	1.0	2.2			2.0	1.1	1.4				2.3			4502951
28.2	4.7	0.6	0.9		2.8	0.8	0.8	0.3							160071
112.8	0.9	0.4	0.9			0.9	0.6	0.4							115299
93.2	1.0	0.3	0.5			0.7		0.4							2306555
79.3	1.1														4507447
19.4			0.4			0.4	2.5	0.6	0.5	0.4		2.5	0.3	5.0	337760
114.1	1.1	0.1			1.3	0.5		0.6	0.1	0.0					5453834
57.2	2.5			0.6					0.2	1.0		1.0	0.1		1817663
46.2				3.1	3.1		1.9	0.2	0.3			1.7	0.1	3.3	4504613
32.1		0.7				0.7				1.2			0.0		181387
15.0		0.2	0.1			0.5	1.0	1.0							4504153
15.4	4.4					0.5	0.9	0.9							1300970
46.2	1.4					0.7								2.5	4502493
135.5	2.1		1.1		3.9	0.6		0.1	0.2		3.9				124089
50.5	2.1					0.8		0.7							183694
42.6	1.9														4505047
20.8	3.7		1.1		3.9	4.8	3.9	0.4	2.5	5.0		2.2			4507065
12.2								2.3	0.6						5433670
4.4	1.7			0.3			0.6	0.6							4557591
70.6	1.5							0.4			2.1	2.0			564908
47.0															4502496
24.5		0.4						0.3	0.0			1.1			4504951
50.7								0.1							4557379
43.9				3.0				1.9							124085
10.9				4.1				0.4							4505621
5.4							4.4								124359
2.8															553293

Table 7E

Median Expression of Normals	ratio Ca/Norm sow1	ratio Ca/Norm lov860	ratio Ca/Norm lov891	ratio Ca/Norm lov908	ratio Ca/Norm lov915	ratio Ca/Norm lov915p6	ratio Ca/Norm lov926	ratio Ca/Norm lov928	ratio Ca/Norm ov167	ratio Ca/Norm ov017	ratio Ca/Norm ov177	ratio Ca/Norm ov202	ratio Ca/Norm ov207	ratio Ca/Norm ov266	GI Acession Number
4.7															4503009
4.6															5454114
4.4															4504375
3.5															4507875
2.8															705388
1.1															5701731
0.8															4504615
0.5															5730091
0.3															4261636
0.3															453699
0.2															4757756
0.2															4506045
0.1															6226227
0.1															1209427
0.0															4502717
															417269

Table 9

Marker	Size of Detected Transcript (kb)	Heart	Brain	Placenta	Lung	Liver	Skeletal Muscle	Kidney	Pancreas	Colon	Thymus	Spleen	Small Intestine	Peripheral Blood Leukocytes	Prostate
4	4.4		X												
5	1.7			X	X			X	X						
8	6.0	X	X	X	X	X	X	X		X	X	X	X	X	
	~7.0				X	X					X	X		X	
10	7.5	X	X				X	X		X			X		
	~4.7						X	X		X			X		
14	1.5							X							
15	2.9	X	X	X	X			X		X	X (weak)	X			
	4.4			X (weak)											
19	7.0	X	X		X	X		X		X					
	4.0	X				X									
21	2.2		X (weak)			X		X	X						

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Table 9

Marker	Size of Detected Transcript (kb)	Prostate	Peripheral Blood Leukocytes	Small Intestine	Spleen	Thymus	Colon	Pancreas	Kidney	Skeletal Muscle	Liver	Lung	Placenta	Brain	Heart
22	3.8								X						
	4.4								X						
	8.7								X						
24	1.1							X	X				X (weak)		X (weak)
	2.4							X	X						
25	3.8	X		X			X	X	X		X	X	X		
	1.1							X							
26	8.5			X	X	X	X		X	X	X		X	X	X
27	~1.85							X (double)	X (double)			X (double)	X (double)		
	1.4											X			
28	3.9								X				X (weak)		

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Table 9

Marker	Size of Detected Transcript (kb)	Heart	Brain	Placenta	Lung	Liver	Skeletal Muscle	Kidney	Pancreas	Colon	Thymus	Spleen	Small Intestine	Peripheral Blood Leukocytes	Prostate
37	5.0	X		X		X	X	X	X						
39	11.5	X	X	X	X	X		X			X	X		X	
	7.5		X			X		X						X	
	5.9		X			X		X						X	
40	4.6							X (weak)							

Table 10A

Marker 5 Expression Level in Normal Human Tissue
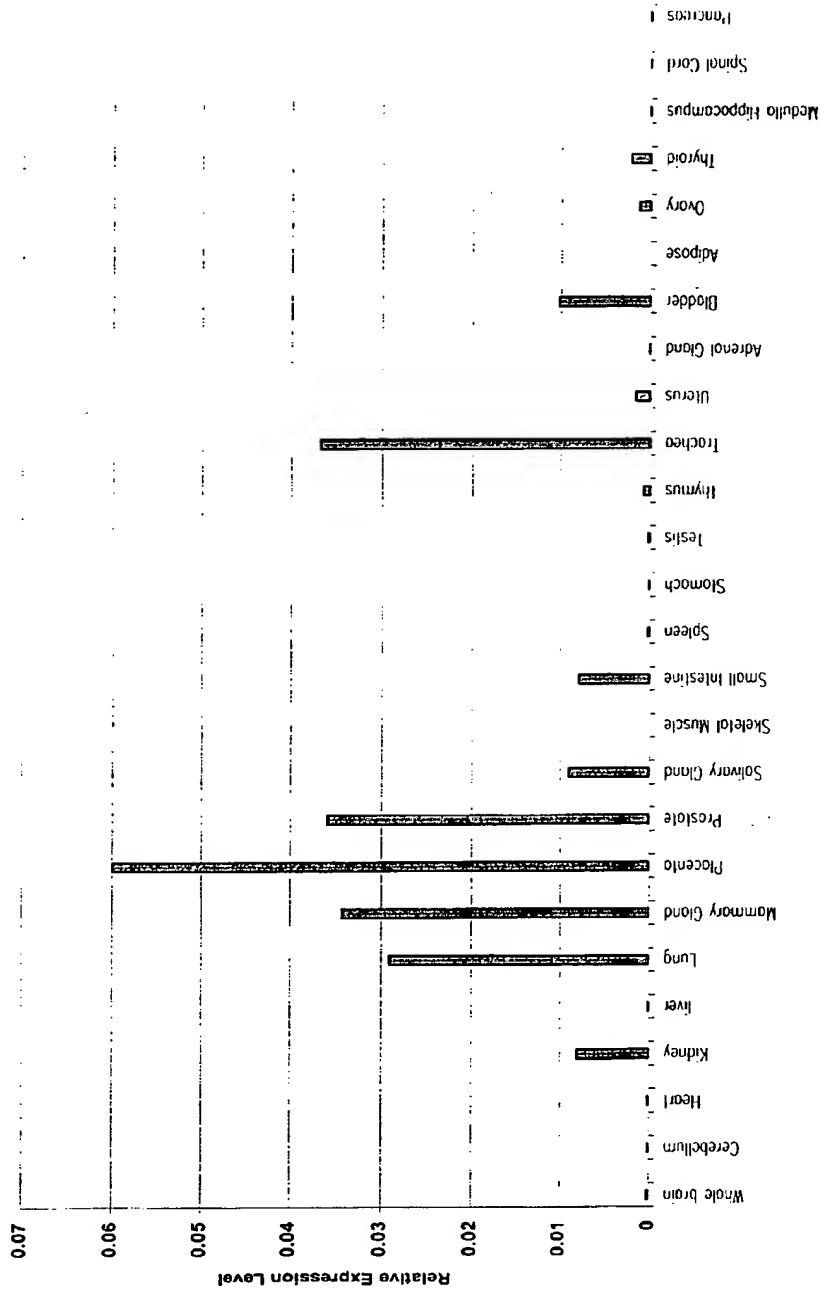
Table 10B

Marker 5 Expression Level in Cancer Cell Line
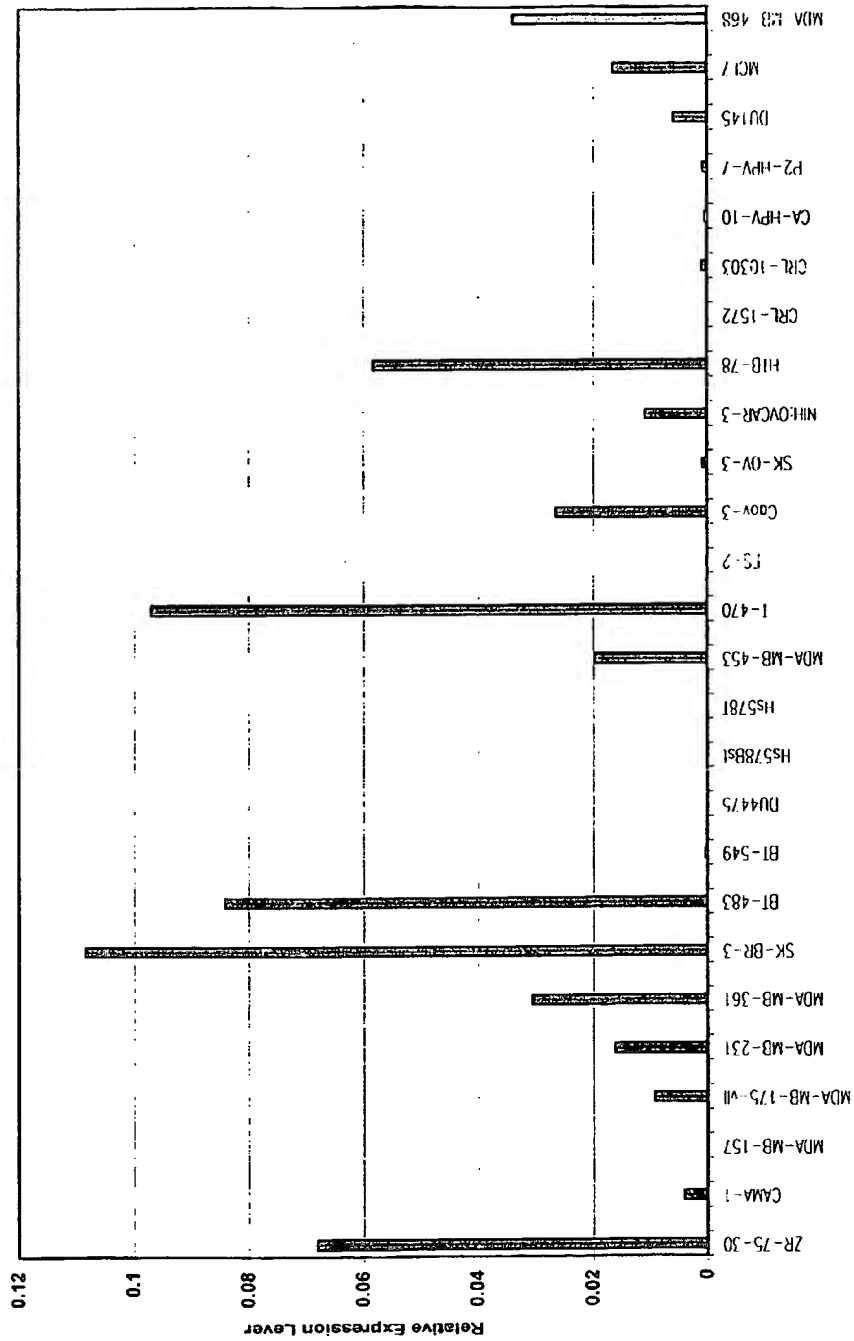
Table 10C

Marker 8 Expression Level in Normal Human Tissue
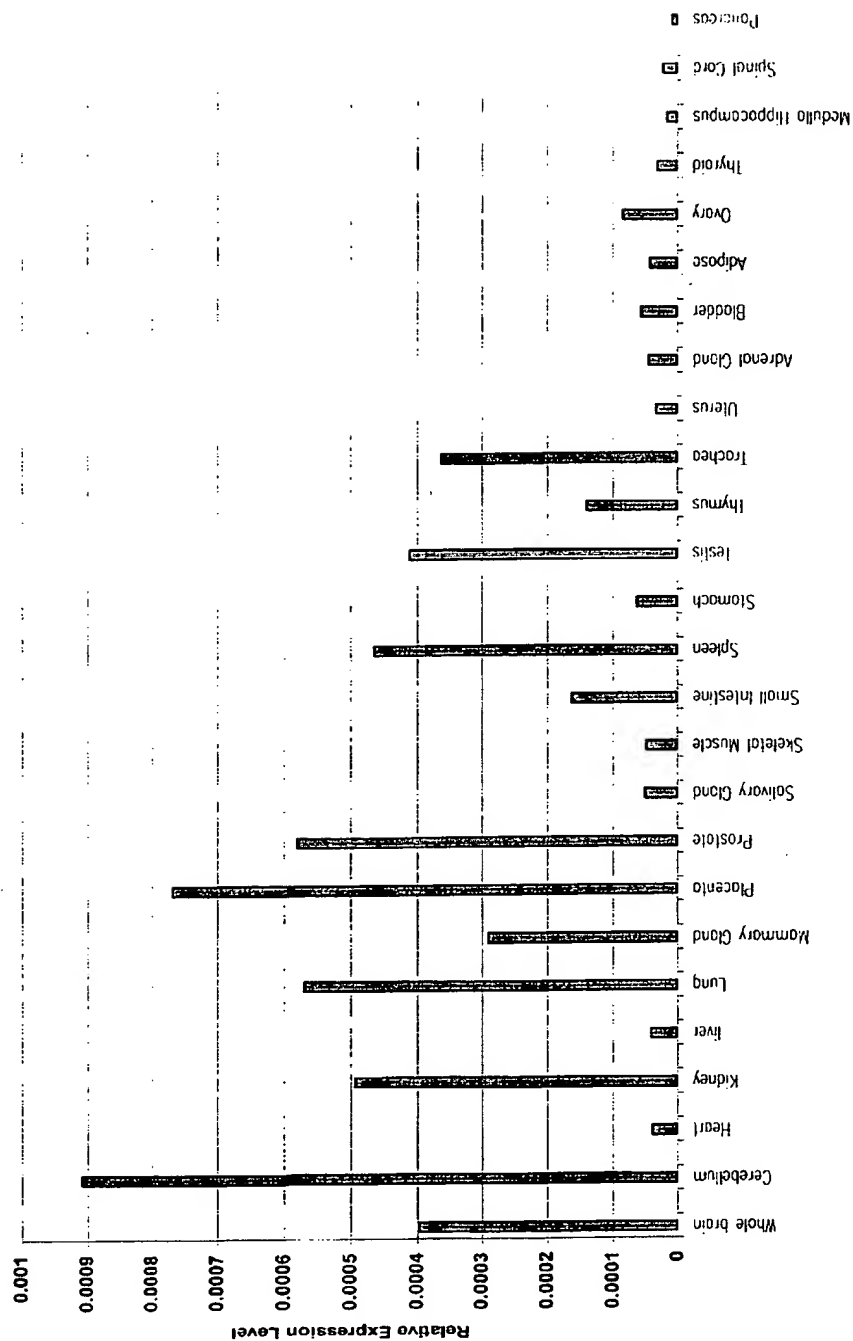
Table 10D

Marker 8 Expression Level in Cancer Cell Lines
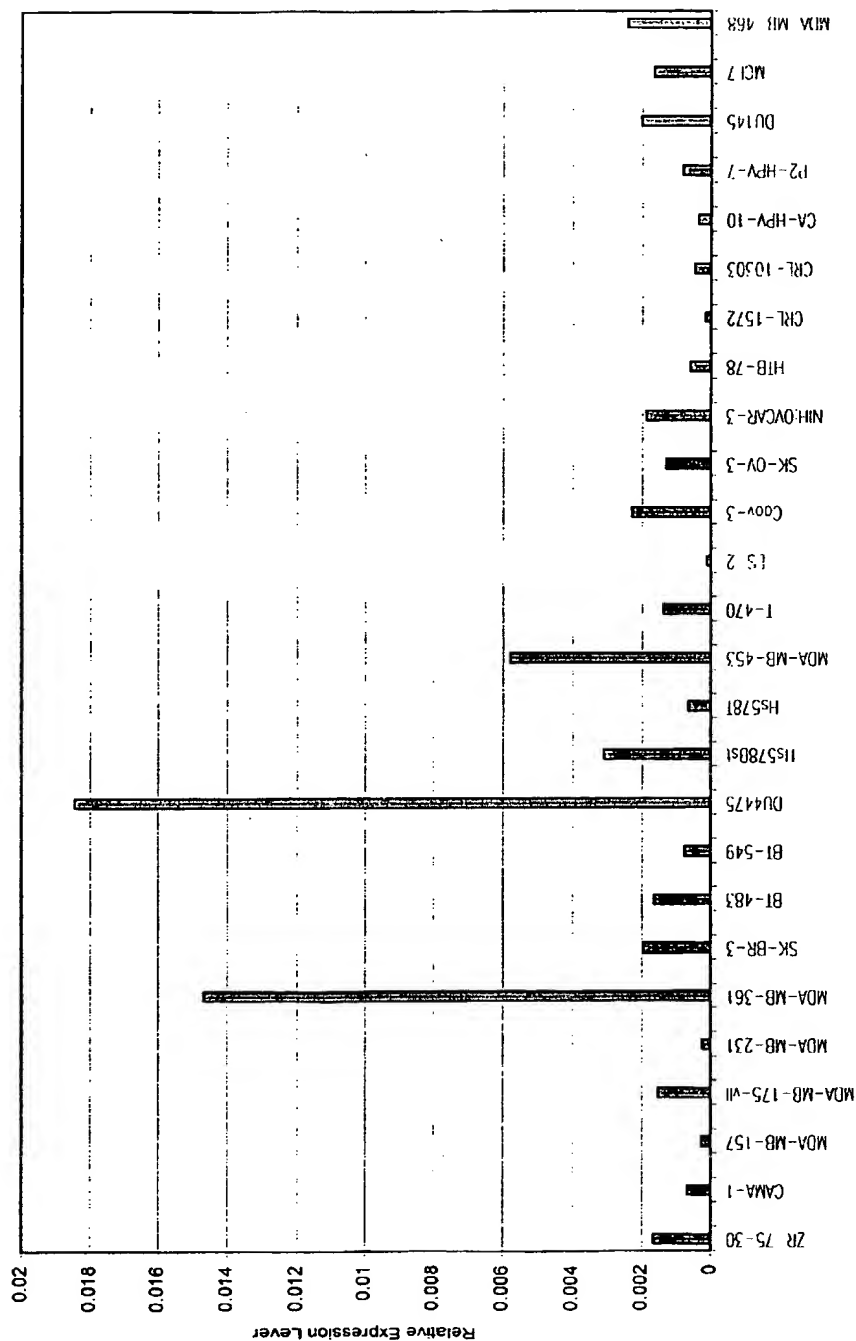
Table 10E

Marker 10 Expression Level in Normal Human Tissue
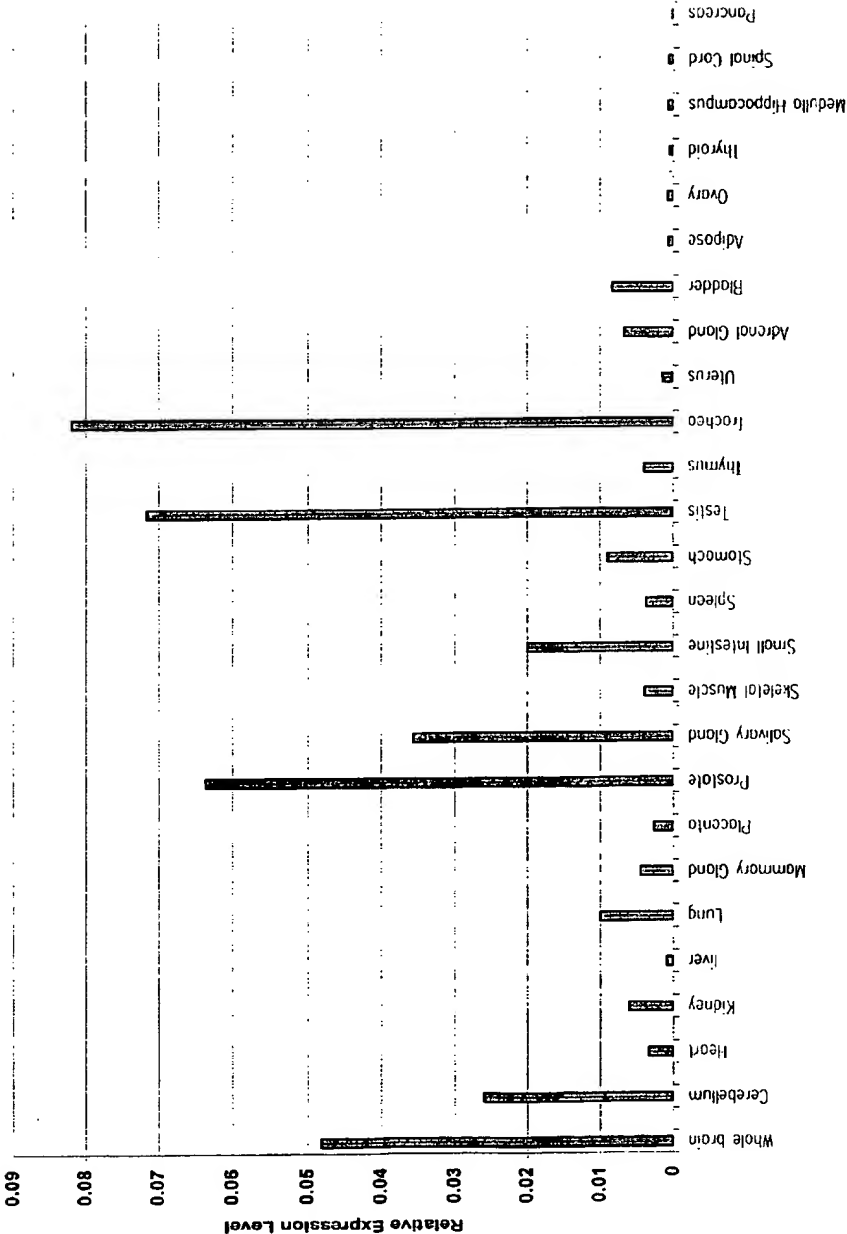
Table 10F

Marker 10 Expression Lever in Cancer Cell Line
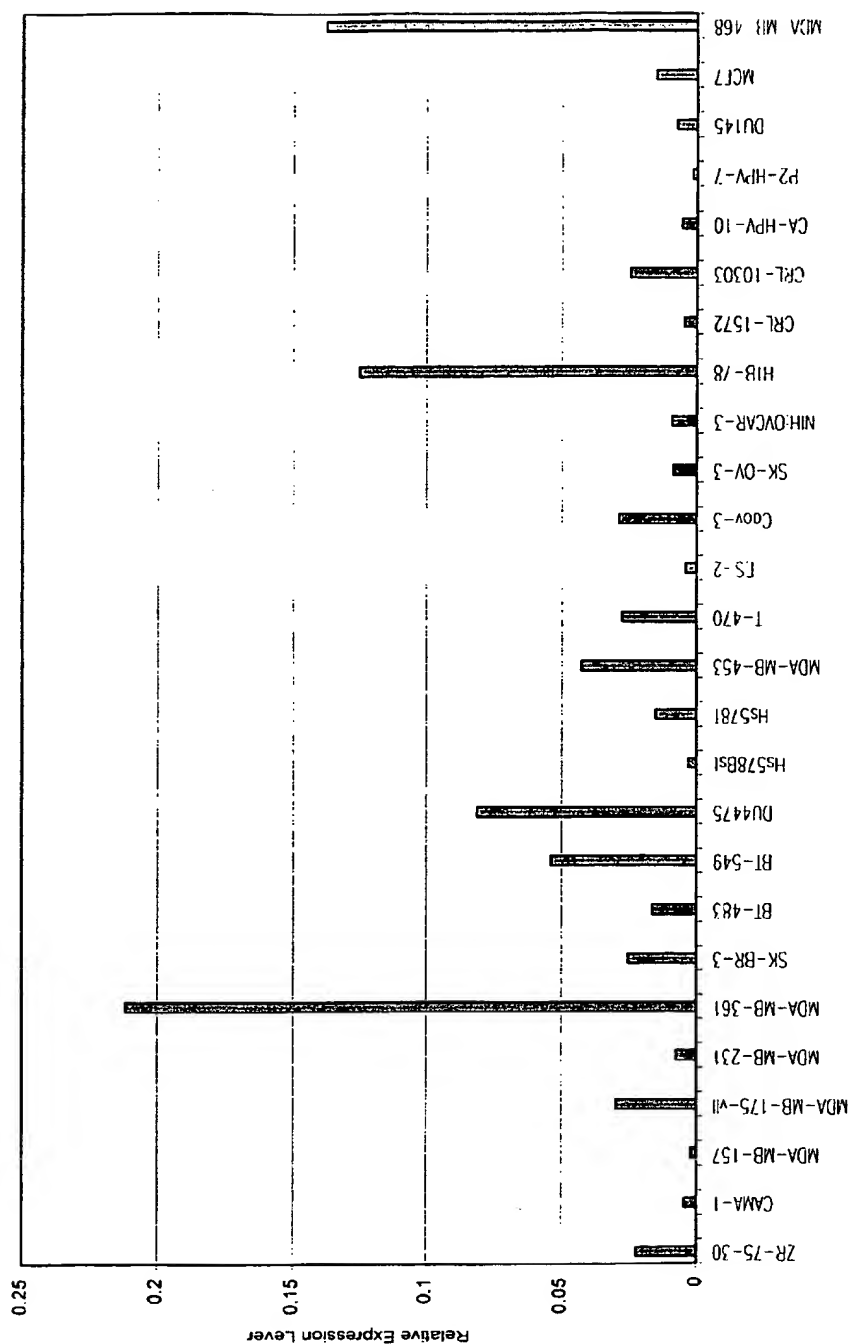
Table 10G

Marker 15 Expression Level in Normal Human Tissue
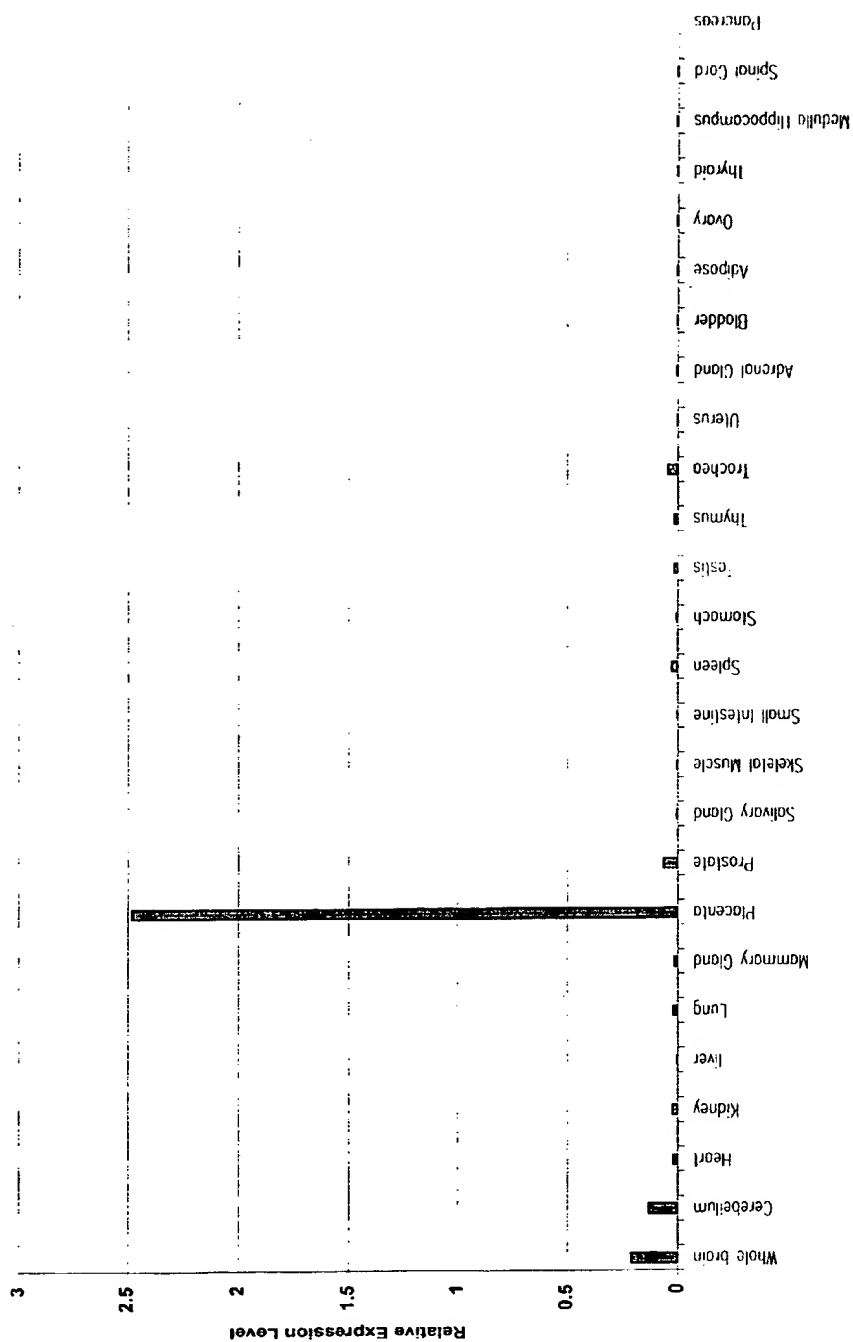
Table 10H

Marker 15 Expression Lever in Cancer Cell Line
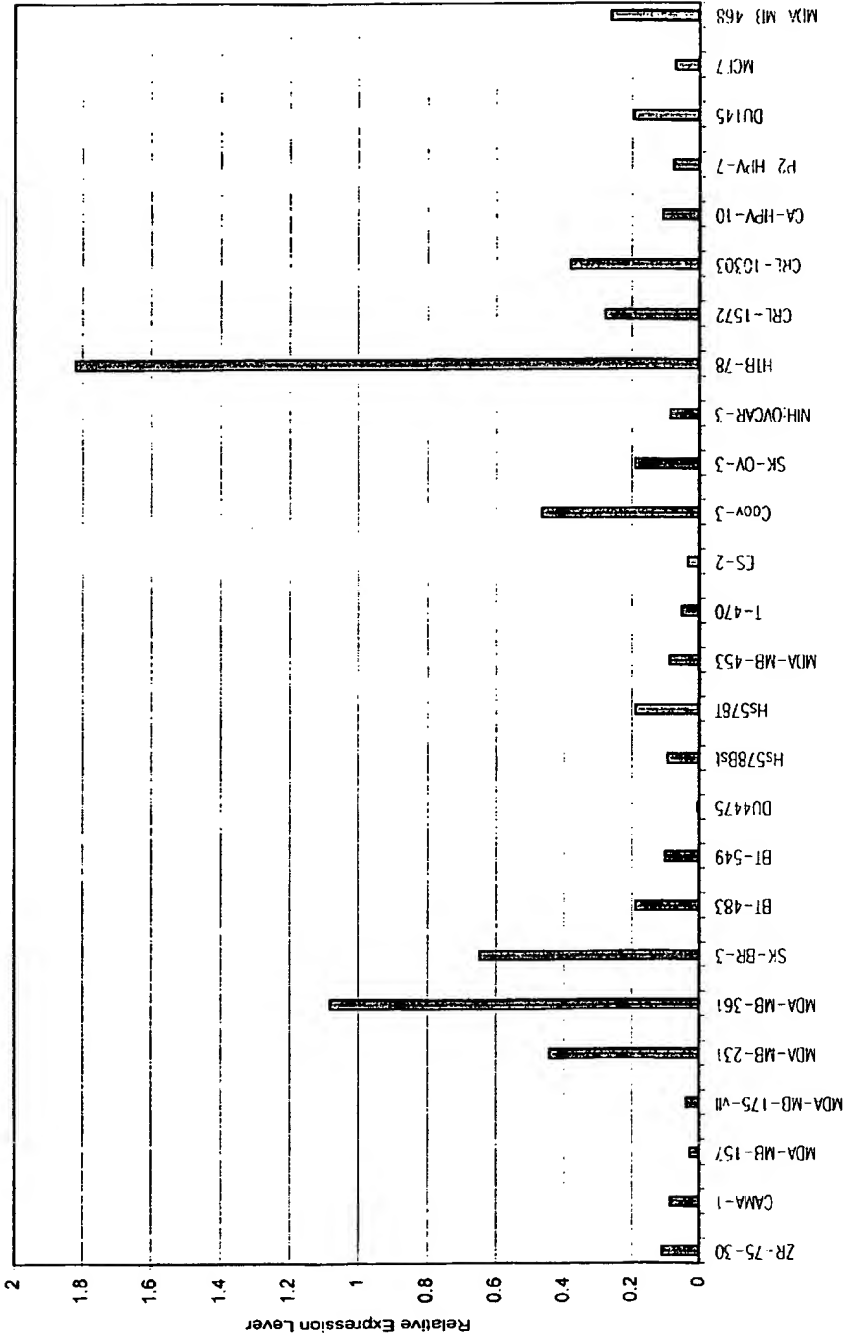
Table 10I

Marker 19 Expression Level in Normal Human Tissue
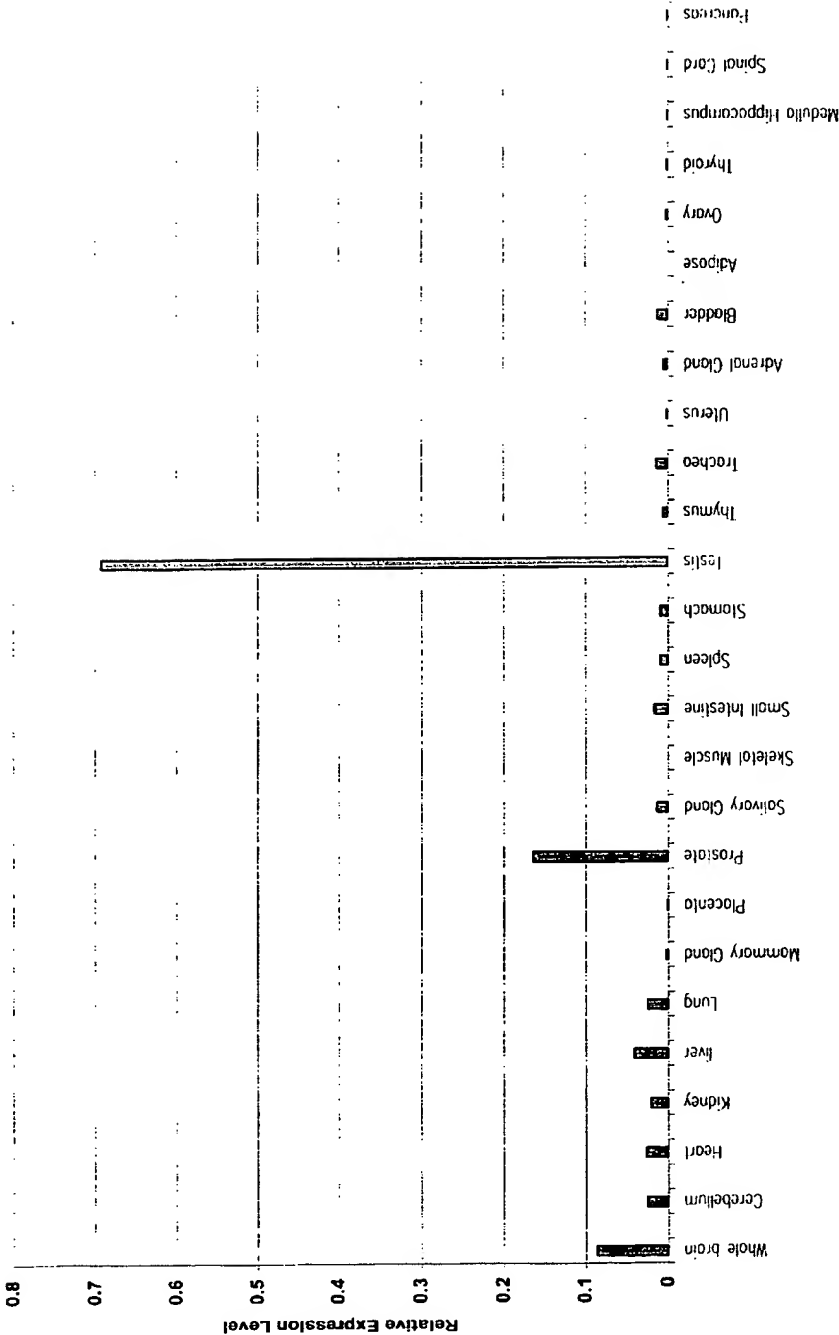
Table 10J

Marker 19 Expression Lever in Cancer Cell Line
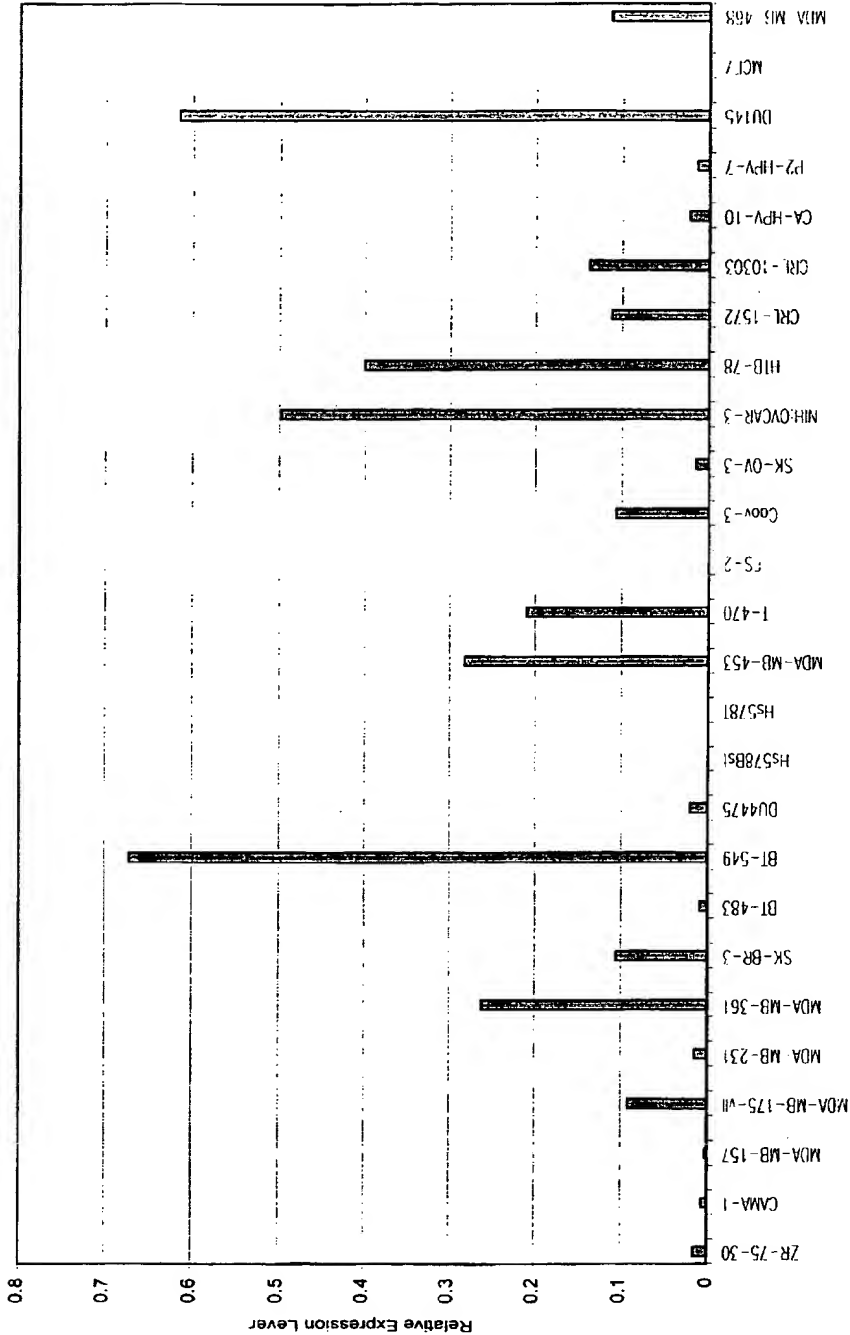
Table 10K

Marker 25 Expression Level in Normal Human Tissue
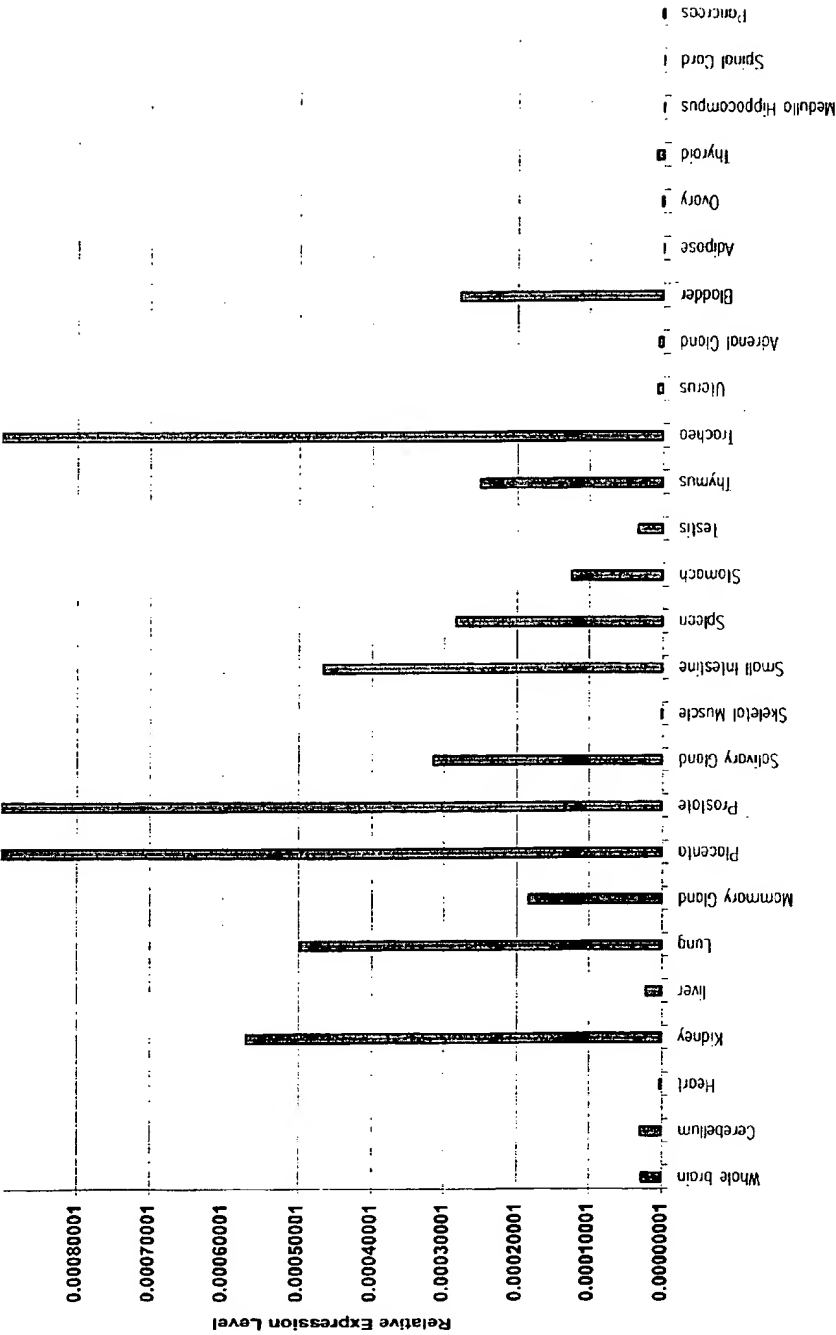
Table 10L

Marker 25 Expression Lever in Cancer Cell Line
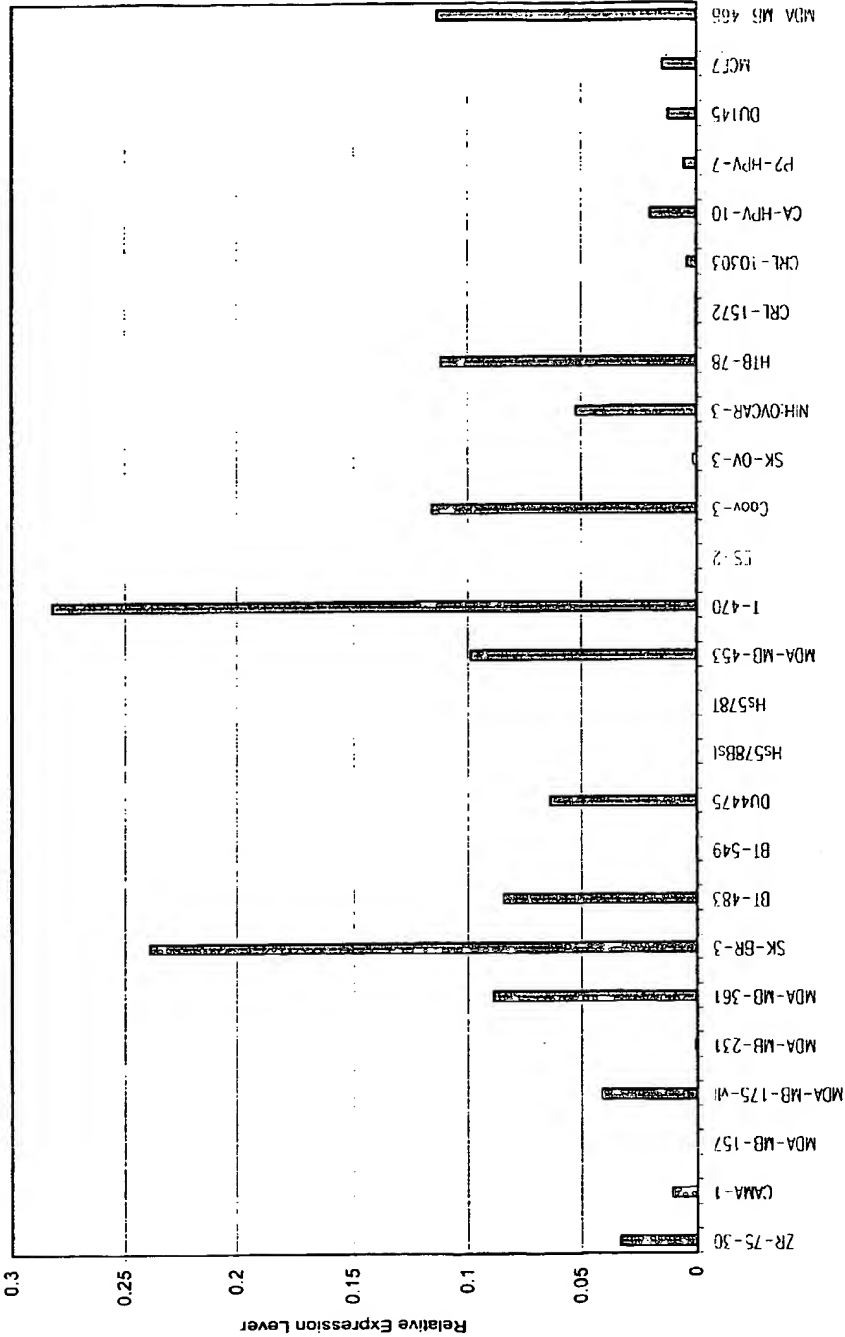
Table 10M

Marker 39 Expression Level in Normal Human Tissue
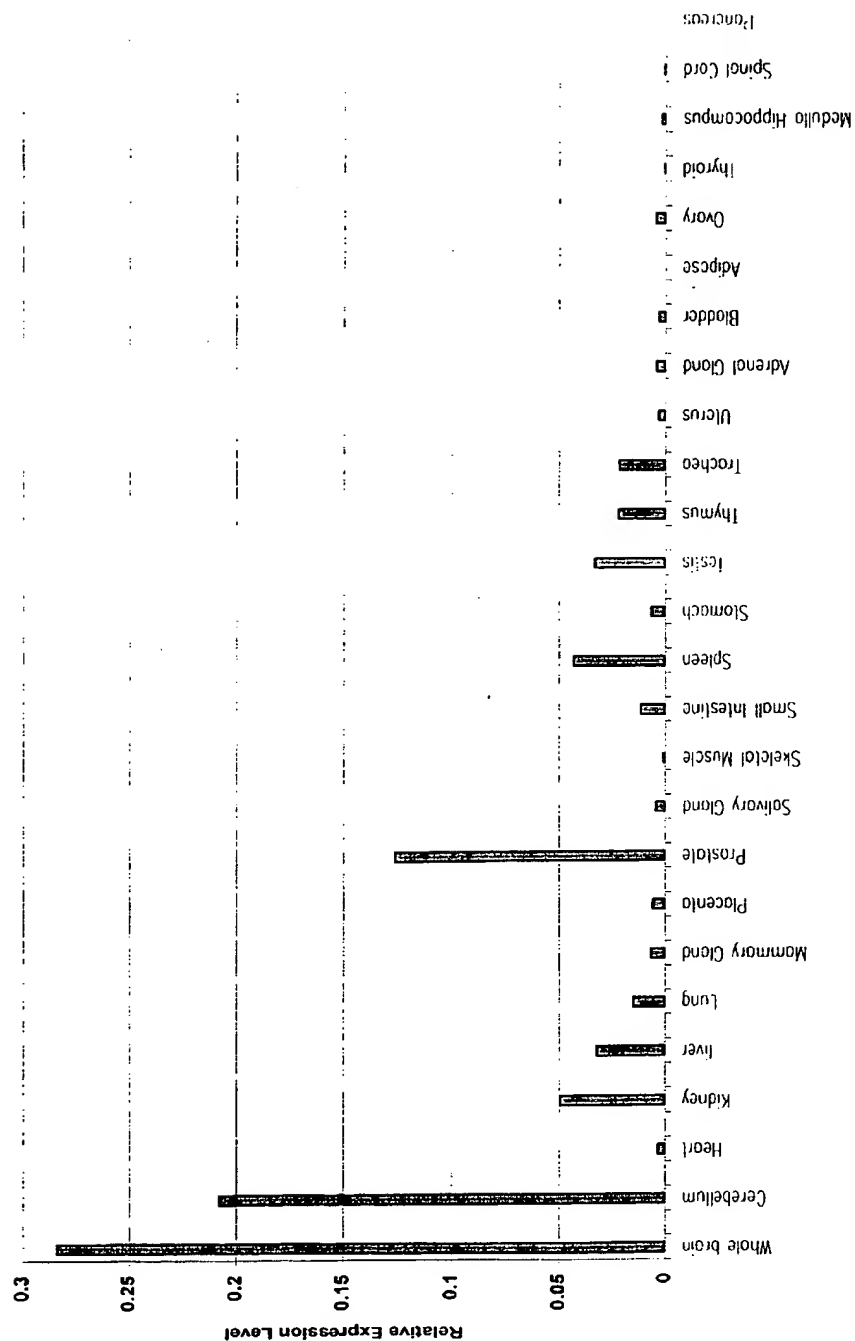
Table 10N

Marker 39 Expression Lever in Cancer Cell Line
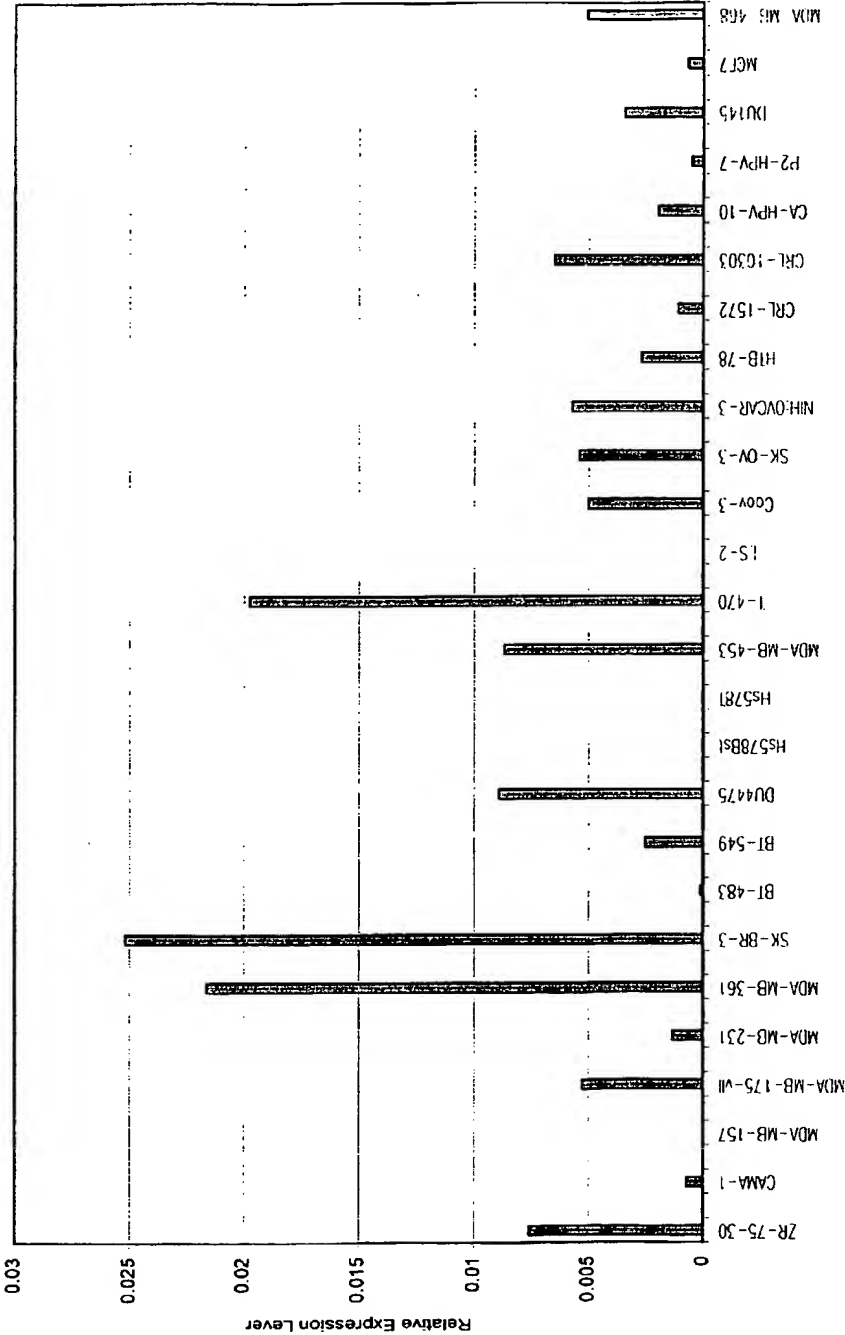
Table 11

| Accession # | Genbank gi # | LightCycler | | | | RT-PCR | |
| | | Ovarian Tumors | | | | Ovarian Tumors | |
		Endo 1	Endo 2	Clear	Serous	Endo	Serous
AI140904	3648361					confirmed	confirmed
AW593681	7280939	11 X	73 X	21 X	16 X	confirmed	
AI870547	5544515						
AI923224	5659188	46 X	600 X	112 X	0.9 X	confirmed	
AI825435	5446106	5 X	35 X	8 X	66 X	confirmed	
AA833900	2907499	171 X	349 X	52 X	27 X	confirmed	confirmed
AA620466	2524405						
AA488964	2218566						
N33063	1153462	3 X			47 X	confirmed	confirmed
AA031514	1501468						
T91042	722955					confirmed	confirmed
AA127805	1687084						confirmed
R26785	782920						
H95976	1109118	2 X	2 X			confirmed	confirmed
R14766	769039					confirmed	confirmed
N70196	1226776						
H11562	876382						
AA044205	1522062						
AA456454	2179030						

Table 8

Marker 4

CGGCTNAGCTGCTGGGCCAGAGCCCCGCGCCCTGCGTCCAGCCGCCGGGTGTGTGCGCCCGCGTAGCCCAT
CGTCGCGCCTCGGCGCCCCCACGCGCCCACGCAGCGGCGCGGGGACCCGGGCGGGGGCAGAGGGAGGGCCC
GGCCCAGGGAGGAGAAGGGGCCGGTCCTCCCGGCGCAGGCAGCAGCCGCGGCAGCCCAGGAGGCGGAGGCA
GCGGCAACGGCAGAGACAGCAACGTGCCCGCCGCAGTCAGCCCGGCCTCGTCGGACCCGCCACCGGCCCGCC
CGCCCGCCCGCACCGCGTCGGGGCGCCCTCTCCACTGCGCGCGGTACAAGGAAATGGTAGAACTAGTGATC
TCACCCAGCCTCACTGTAAACAGCGATTGTCTGGATAAACTGAAGTTTAACCGTGCTGACGCTGCTGTGTG
GACTCTGAGTGACAGACAAGGCATCACCAAATCGGCCCCCCTGAGAGTGTCCCAGCTCTTCTCCAGATCTT
GCCCACGTGTCCTCCCCCGCCAGCCTTCCACAGCCATGGCAGCCTACGGCCAGACGCAGTACAGTGCGGGG
ATCCAGCAGGCTACCCCCTATACAGCTTACCCACCTCCAGCACAAGCCTATGGAATCCCTTCCTACAGCAT
CAAGACAGAAGACAGCTTGAACCATTCCCCTGGCCAGAGTGGATTCCTCAGCTATGGCTCCAGCTTCAGCA
CCTCACCCACTGGACAGAGCCCATACACCTACCAGATGCACGGCACAACAGGGTTCTATCAAGGAGGAAAT
GGACTGGGCAACGCAGCCGGTTTCGGGAGTGTGCACCAGGACTATCCTTCCTACCCCGGCTTCCCCCAGAG
CCAGTACCCCCAGTATTACGGCTCATCCTACAACCCTCCCTACGTCCCGGCCAGCAGCATCTGCCCTTCGC
CCCTCTCCACGTCCACCTACGTCCTCCAGGAGGCATCTCACAACGTCCCCAACCAGAGTTCCGAGTCACTT
GCTGGTGAATACAACACACACAATGGACCTTCCACACCAGCGAAAGAGGGAGACACAGACAGGCCGCACCG
GGCCTCCGATGGGAAGCTCCGAGGCCGGTCTAAGAGGAGCAGTGACCCGTCCCCGGCAGGGGACAATGAGA
TTGAGCGTGTGTTCGTGTGGGACTTGGATGAGACAATAATTATTTTTCACTCCTTACTCACGGGGACATTT
GCATCCAGATACGGGAAGGACACCACGACGTCCGTGCGCATTGGCCTTATGATGGAAGAGATGATCTTCAA
CCTTGCAGATACACATCTGTTCTTCAATGACCTGGAGGATTGTGACCAGATCCACGTTGATGACGTCTCAT
CAGATGACAATGGCCAAGATTTAAGCACATACAACTTCTCCGCTGACGGCTTCCACAGTTCGGCCCCAGGA
GCCAACCTGTGCCTGGGCTCTGGCGTGCACGGCGGCGTGGGACTGGATGAGGAAGCTGGCCTTCCGCTACCG
GCGGGTGAAGGAGATGTACAATACCTACAAGAACAACGTTGGTGGGTTGATAGGCACTCCCAAAAGGGAGA
CCTGGCTACAGCTCCGAGCTGAGCTGGAAGCTCTCACAGACCTCTGGCTGACCCACTCCCTGAAGGCACTA
AACCTCATCAACTCCCGGCCCAACTGTGTCAATGTGCTGGTCACCACCACTCAACTAATTCCTGCCCTGGC
CAAAGTCCTGCTATATGGCCTGGGGTCTGTGTTTCCTATTGAGAACATCTACAGTGCAACCAAGACAGGGA
AGGAGAGCTGCTTCGAGAGGATAATGCAGAGATTCGGCAGAAAAGCTGTCTACGTGGTGATCGGTGATGGT
GTGGAAGAGGAGCAAGGAGCGAAAAAGCACAACATGCCTTTCTGGCGGATATCCTGCCACGCAGACCTGGA
GGCACTGAGGCACGCCCTGGAGCTGGAGTATTTATAGCAGGATCAGCAGCATCTCCACCTGCCATCTCACC
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Marker 5

CCTGGACAACCTGTCCAGTCGACCCACGCGTCCGGCAGCTGTCGGCTGGAAGGAACTGGTCTGCTCACACT
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Table 8

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TGCACAGGAAAAA

Marker 8

GGCTACCGCCGCGTTCTATTCTCCGAAGCCGGCGACCGCCCCACCTCCTCCCTCCCTCCCGCCCGCTTCCT
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Table 8

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Marker 10
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Table 8

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Marker 14
AGGTTCAGTGGTCAGAGCTATGTGCGGTACAGGGCCCCAGCGGCTCGGAACTGGCACATCCATTTCTATCT
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Marker 15
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CATGGGTCCACCGCTATGGGGAGAGCATCCTGCCCACCACGCTCACCACGCTCTGGTCCCTCTCAGTGGCC
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CTTCAAAGTTCCTGAGACTAAAGGCCGGACCTTCGATGAGATCGCTTCCGGCTTCCGGCAGGGGGGAGCCA
GCCAAAGTGATAAGACACCCGAGGAGCTGTTCCATCCCCTGGGGGCTGATTCCCAAGTGTGAGTCGCCCCA
GATCACCAGCCCGGCCTGCTCCCAGCAGCCCTAAGGATCTCTCAGGAGCACAGGCAGCTGGATGAGACTTC
CAAACCTGACAGATGTCAGCCGAGCCGGGCCTGGGGCTCCTTTCTCCAGCCAGCAATGATGTCCAGAAGAA
TATTCAGGACTTAACGGCTCCAGGATTTTAACAAAAGCAAGACTGTTGCTCAAATCTATTCAGACAAGCAA
CAGGTTTTATAATTTTTTTATTACTGATTTTGTTATTTTTATATCAGCCTGAGTCTCCTGTGCCCACATCC
CAGGCTTCACCCTGAATGGTTCCATGCCTGAGGGTGGAGACTAAGCCCTGTCGAGACACTTGCCTTCTTCA
CCCAGCTAATCTGTAGGGCTGGACCTATGTCCTAAGGACACACTAATCGAACTATGAACTACAAAGCTTCT
ATCCCAGGAGGTGGCTATGGCCACCCGTTCTGCTGGCCTGGATCTCCCCACTCTAGGGGTCAGGCTCCATT
AGGATTTGCCCCTTCCCATCTCTTCCTACCCAACCACTCAAATTAATCTTTCTTTACCTGAGACCAGTTGG
GAGCACTGGAGTGCAGGGAGGAGAGGGGAAGGGCCAGTCTGGGCTGCCGGGTTCTAGTCTCCTTTGCACTG
AGGGCCACACTATTACCATGAGAAGAGGGCCTGTGGGAGCCTGCAAACTCACTGCTCAAGAAGACATGGAG
ACTCCTGCCCTGTTGTGTATAGATGCAAGATATTTATATATATTTTTGGTTGTCAATATTAAATACAGACA
CTAAGTTATAGTATATCTGGACAAGCCAACTTGTAAATACACCACCTCACTCCTGTTACTTACCTAAACAG
ATATAAATGGCTGGTTTTTAGAAACATGGTTTTGAAATGCTTGTGGATTGAGGGTAGGAGGTTTGGATGGG
AGTGAGACAGAAGTAAGTGGGGTTGCAACCACTGCAACGGCTTAGACTTCGACTCAGGATCCAGTCCCTTA
CACGTACCTCTCATCAGTGTCCTCTTGCTCAAAAATCTGTTTGATCCCTGTTACCCAGAGAATATATACAT
TCTTTATCTTGACATTCAAGGCATTTCTATCACATATTTGATAGTTGGTGTTCAAAAAAAACACTAGTTTTG
TGCCAGCCGTGATGCTCAGGCTTGAAATCGCATTATTTTGAATGTGAAGGGAA
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Marker 19
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GTCCGAAATAGGTAGTTATTATAATGTGCTGTCACTTATTTCACTGCAATGGCTCTCTTATAGTAATTTGC
CTTGTAGAGTTCTAGCAAAGAGGTGGCATCTGTTTTTACTTTTATATGTTTAAATTTCTATCATTATAACA
AAATCGATTTTTCACAGTAATGATTCTCAGTGTGGAGTCATTTGATTATTAAGACCCATTGACATGAGATT
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GTTTATTGTGGTGGAGTCTTTAAGATTTTCTCTACCTTGAGTGCGCCAGGCGCGGGGAGCCTGGGACCAGG
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GCTCCTGTGCGGAGTAGTGGATTTCGCCAGAAGTTTGAGTATCACTACTCCTGAAGAGATGATTGAAAAAG
CCAAAGGGGAAACTGCCTATCTGCCATGCAAATTTACGCTTAGTCCCGAAGACCAGGGACCGCTGGACATC
GAGTGGCTGATATCACCAGCTGATAATCAGAAGGTGGATCAAGTGATTATTTTATATTCTGGAGACAAAAT
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GGTGTTGCAAATAAGAAGATTCATCTGGTAGTTCTTGTTAAGCCTTCAGGTGCGAGATGTTACGTTGATGG
ATCTGAAGAAATTGGAAGTGACTTTAAGATAAAATGTGAACCAAAAGAAGGTTCACTTCCATTACAGTATG
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Table 8

AGTGGCAAAAATTGTCTGACTCACAGAAAATGCCCACTTCATGGTTAGCAGAAATGACTTCATCTGTTATA
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CTCAGTATAAACAAGTACCAAGTGAAGACTTTGAACGCACTCCTCAGAGTCCGACTCTCCCACCTGCTAAG
GTAGCTGCCCCTAATCTAAGTCGAATGGGTGCGATTCCTGTGATGATTCCAGCACAGAGCAAGGATGGGTC
TATAGTATAGAGCCTCCATATGTCTCATCTGTGCTCTCCGTGTTCCTTTCCTTTTTTTGATATATGAAAAC
CTATTCTGGTCTAAATTKTGTTACTAGCCTCAAAATRYATCMAAAAATAAGTTAATCAGGARCTGTAMGGA
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CATGTATTTACAGTTACAGTATTGTGTGTACACTTTTTAATGGTAAACTTAAGCTGAATGTGTAATGGACT
TGTGTATAGTTTTACATATTTGGAAGCATTTTAAAAAATAGGTTTTAACCTTACATAAAATTACTTTTATAC
TTGTGTTAAC

Marker 21
TATAGGGAGTCGACCCTGGGAAAGGGCAGCAGCAGCCAGGTGTGGCAGTGACAGGGAGGTGTGAATGAGGC
AGGATGAACTGGACAGGTTTGTACACCTTGCTCAGTGGCGTGAACCGGCATTCTACTGCCATTGGCCGAGT
ATGGCTCTCGGTCATCTTCATCTTCAGAATCATGGTGCTGGTGGTGGCTGCAGAGAGTGTGTGGGGTGATG
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CGTGGCTCACCAGCAACACATAGAGAAGAAAATGCTACGGCTTGAGGGCCATGGGGACCCCCTACACCTGG
AGGAGGTGAAGAGGCACAAGGTCCACATCTCAGGGACACTGTGGTGGACCTATGTCATCAGCGTGGTGTTC
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TCTTCACCGTCTTCATGCTAGCTGCCTCTGGCATCTGCATCATCCTCAATGTGGCCGAGGTGGTGTACCTC
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GCCGGTGCACAGGCCTCTGCCTGCTGGGGATTACTCGATCAAAACCTTCCTTCCCTGGCTACTTCCCTTCC
TCCCGGGGCCTTCCTTTTGAGGAGCTGGAGGGGTGGGGAGCTAGAGGCCACCTATGCCAGTGCTCAAGGTT

Table 8

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ACTGGGAGTGTGGGCTGCCCTTGTTGCCTGCACCCTTCCCTCTTCCCTCTCCCTCTCTCTGGGACCACTGG
GTACAAGAGATGGGATGCTCCGACAGCGTCTCCAATTATGAAACTAATCTTAACCCTGTGCTGTCAGATAC
CCTGTTTCTGGAGTCACATCAGTGAGGAGGGATGTGGGTAAGAGGAGCAGAGGGCAGGGGTGCTGTGGACA
TGTGGGTGGAGAAGGGAGGGTGGCCAGCACTAGTAAAGGAGGAATAGTGCTTGCTGGCCACAAGGAAAAGG
AGGAGGTGTCTGGGGTGAGGGAGTTAGGGAGAGAGAAGCAGGCAGATAAGTTGGAGCAGGGGTTGGTCAAG
GCCACCTCTGCCTCTAGTCCCCAAGGCCTCTCTCTGCCTGAAATGTTACACATTAAACAGGATTTTACAGT
AAAAAGCTCCTCTTACCCACATCCCTCCTCACTGATGTGACTCCAGAAACAGGGTATCTGACAGCACAGGG
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AC
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Marker 22
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CGTCCGGAGCCAGCTCTCCCGAGCCCGTAACCTTCGCATCCCAAGAGCTGCAGTTTCAGCCGCGACAGCAA
GAACGGCAGAGCCGGCGACCGCGGCGGCGGCCGCGGCGGCGGAGGCAGGAGCAGCCTGGGCGGGTCGCAGGGTC
TCCGCGGGCGCAGGAAGGCGAGCAGAGATATCCTCTGAGAGCCAAGCAAAGAACATTAAGGAAGGAAGGAG
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TCTCAACTCCACTATCAAAGAGGACTAGTGGTTTCCCAGCAAAGAAAAGGGCCCTGGAGCTCTCTGGAAAC
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GCAGATGATCCAACATATGGGAACAGTGCTAAAGTTGTCTACAGTATTCTACAGGGACAGCCCTATTTTTC
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Table 8

GAGGGGAGGACAGGGAACAGTATTTCCACTTGTTCTCAGGGCAGCGTGCCCGCTTCCGCTGTCCTGGTGTT
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TTTCTCTGCCATCAACTACTATTCAAAACCTCAAATCCACCCATATGTTAAAATTCTCATTACTCTTAAGG
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CTTATCATTAGAATCTTACCTTGTGCAGTCATCAGAAATTCCAGCGTACTATAATGAAAACATCCTTGTTT
TGAAAACCTAAAAGACAGGCTCTGTATATATATATACTTAAGAATATGCTGACTTCACTTATTAGTCTTAG
GGATTTATTTTCAATTAATATTAATTTTCTACAAATAATTTTAGTGTCATTTCCATTTGGGGATATTGTCA
TATCAGCACATATTTTCTGTTTGGAAACACACTGTTGTTTAGTTAAGTTTTAAATAGGTGTATTACCCAAG
AAGTAAAGATGGAAACG

Marker 26

GTATGGCAAGCTCACGGACGCGTACGGCTGCCTGGGGGAGCTGAGGCTGAAATCTGGTGGCACGTCTCTGA
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GCCACTGACTTTTACCCTCTTCAGGAAGAGGCCAAGGAGGAGGAACGCCTCATAGCTTTGAAGAAAATCCT
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AATGCCAGTACTACCAACAAGAAGATGTGGGGTGAACAGCTTCAGAAAGCCATCTCACGCTCTCATAGATA

Table 8

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CATTCTGTTGACTTCGGCACAGCTGGTGGGCATCTGTCTTTATATCTTTGTACGTCCATACCATGTCCCGT
TCATCAGGGACGTAGCCATCGACACAGTGAAGACGGGCATGGGGGGCAAGGCGGGGAACAAGGGCGCCGTC
GGCATCCGCTTCCAGTTCCACAGCACCAGCTTCTGCTTCATATGTAGTCACCTGACGGCCGGGCAGTCCCA
GGTGAAGGAGCGGAATGAAGACTACAAGGAGATCACCCAGAAACTCTGCTTCCCAATGGGGAGAAATGTTT
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TATTTTGTTAAACGCCAAGACTGGAAGAAACTTCTGGAATTTGATCAACTACAGCTACAGAAATCAAGTGG
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TGCTGATACGCGATATTGATTCTCATTGTTAGAATATGGAGAGTGTTTCAGCCTCGTCTGTCCGGCTGGAG
CTTCGGGATGGAAAGTGCTATGTGTCCCTGCATATAAGAATCACCAGGCCAGTGTTTCTGGGTTTGCTTGT
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Table 8

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AGGAATCCGTGACCCACAGAGCTAGACAGATAAGATGCATAGTTGACCAGTCATAAAAGGCGGTGTTTARG
TGATCAGGATGCCGTTGGTGGCATTTACGTGCTTTATATGATTTTTACCTCYGTAACAAACACAAGAAATA
AACAGAATGGTCCTTAACAGAGTTTGGGGGAGAGAGCAAGATGGGTTCCTTGGAGAAGCTGATTTGCCAAG
ATGCACATCGCTATTAACAGCCAGAGTCATAAATGAAATGAAATTGAAGAATTCATYCAAATGCTCTTTTC
CCTATAACCTCTTTTCTCASCAAAAAGGAGATAAATTTGAAAACAGATAAATGTAACAACCAGTCAAAGAA
GCAGGGGAAAAGTAAGCTCCTCCAAAGTTGCTTGCAGTGCTGGAAATAGATCTCATTTTTAGGTTTTCTCT
TCGTTCCAGATACCAAATAAATGGGACAGAGAATAAAATTTTTGTTAAAATATGTGCTCATCTCCTAAGTA
GCTCTTCAGAGTCTGACCGTAAGTAAAAACACACAGAATTGTGTTGACTGGGGGAGGTGAATCACAAAAAA
GTTACGAGGAGTTTAAGAGTTAAATATTATTTGATCGTGGCTGTCAAATTTAGTGAACAACATAGATTGGA
TTTGGAGTTGGTAGTARGTATGGTTCTCATACCAGAATTCT

Marker 27

AAGACTCCGTCTCAAAAAAAAAAAAAAAAAAGGTAATTCACTTGCTCTAGGTCACACAGCCAGGAAGTGACAG
AGTCCAGAATGGAGGCAGTTCTAAGTCCCAGTCCTGTGTATTCTTCCTCCCTGAGGGGGCAGCCAAATGCT
TTCTTGGGGAAAAGGGACAGGAGTTGGGAGCCCAGATCTATTGGTTTAGAACCACTGGGCACGTATTGAGC
ACTACATGCCTGGAGCTGTCATCAGTGTTCTCTTGTCAGTTGTCACGGCCTCCTCTAATTGTGGTAGTACC
TGCCCGGGCGGCCGAGGTACGCGGGGAGGTCCCAGTGGTTTCTTCCTCCAGTTAGGAGCCTTGATGCCGGA
GGGGACAGTGGGTCGCCGAGAGCGCCCGGAGGGAACCGCCTGGCCTTCGGGGACCACCAATTTTGTCTGGA
ACCACCCTCCCGGCGTATCCTACTCCCTGTGCCGCGAGGCCATCGCTTCACTGGAGGGGTCGATTTGTGTG
TAGTTTGGTGACAAGATTTGCATTCACCTGGCCCAAACCCTTTTTGTCTCTTTGGGTGACCGGAAAACTCC
ACCTCAAGTTTTCTTTTGTGGGGCTGCCCCCCAAGTGTCGTTTGTTTTACTGTAGGGTCTCCCGCCCGGCG
CCCCCAGTGTTTTCTGAGGGCGGAAATGGCCAATTCGGGCCTGCAGTTGCTGGGCTTCTCCATGGCCCTGC
TGGGCTGGGTGGGTCTGGTGGCCTGCACCGCCATCCCGCAGTGGCAGATGAGCTCCTATGCGGGTGACAAC
ATCATCACGGCCCAGGCCATGTACAAGGGGCTGTGGATGGACTGCGTCACGCAGAGCACGGGGATGATGAG
CTGCAAAATGTACGACTCGGTGCTCGCCCTGTCCGCGGCCTTGCAGGCCACTCGAGCCCTAATGGTGGTCT
CCCTGGTGCTGGGCTTCCTGGCCATGTTTGTGGCCACGATGGGCATGAAGTGCACGCGCTGTGGGGGAGAC
GACAAAGTGAAGAAGGCCCGTATAGCCATGGGTGGAGGCATAATTTTCATCGTGGCAGGTCTTGCCGCCTT
GGTAGCTTGCTCCTGGTATGGCCATCAGATTGTCACAGACTTTTATAACCCTTTGATCCCTACCAACATTA
AGTATGAGTTTGGCCCTGCCATCTTTATTGGCTGGGCAGGGTCTGCCCTAGTCATCCTGGGAGGTGCACTG
CTCTCCTGTTCCTGTCCTGGGAATGAGAGCAAGGCTGGGTACCGTGCACCCCGCTCTTACCCTAAGTCCAA
CTCTTCCAAAGAGTATGTGTGACCTGGGATCTCCTTGCCCCAGCCTGACAGGCTATGGGAGTGTCTAGATG
CCTGAAAGGGCCTGGGGCTGAGCTCAGCCTGTGGGCAGGGTGCCGGACAAAGGCCTCCTGGTCACTCTGTC
CCTGCACTCCATGTATAGTCCTCTTGGGTTGGGGGTGGGGGGGTGCCGTTGGTGGGAGAGACAAAAAGAGG
GAGAGTGTGCTTTTTGTACAGTAATAAAAAATAAGTATTGGGAAGCAGGCTTTTTTCCCTTCAGGGCCTCT
GCTTTCCTCCCGTCCAGATCCTTGCAGGGAGCTTGGAACCTTAGTGCACCTACTTCAGTTCAGAACACTTA
GCACCCCACCGACTCCACTGACAATTGACTAAAAGATGCAGGTGCTCGTATCTCGACATTCATTCCCACCC
CCCTCTTATTTAAATAGCTACCAAAGTACTTCTTTTTTAATAAAAAAATAAAGATTTTTATTAGGTAAAAA
AAAAAAAAAAG

Marker 28

AGACGGTGCTGGTGACTCGTCCACACTGCTCGCTTCGGATACTCCAGGCGTCTCCCGTTGCGGCCGCTCCC
TGCCTTAGAGGCCAGCCTTGGACACTTGCTGCCCCTTTCCAGCCCGGATTCTGGGATCCTTCCCTCTGAGC
CAACATCTGGGTCCTGCCTTCGACACCACCCCAAGGCTTCCTACCTTGCGTGCCTGGAGTCTGCCCCAGGG
GCCCTTGTCCTGGGCCATGGCCCAGAAGGGGGTCCTGGGGCCTGGGCAGCTGGGGGCTGTGGCCATTCTGC

Table 8

TCTATCTTGGATTACTCCGGTCGGGGACAGGAGCGGAAGGGGCAGAAGCTCCCTGCGGTGTGGCCCCCCAA
GCACGCATCACAGGTGGCAGCAGTGCAGTCGCCGGTCAGTGGCCCTGGCAGGTCAGCATCACCTATGAAGG
CGTCCATGTGTGTGGTGGCTCTCTCGTGTCTGAGCAGTGGGTGCTGTCAGCTGCTCACTGCTTCCCCAGCG
AGCACCACAAGGAAGCCTATGAGGTCAAGCTGGGGGCCCACCAGCTAGACTCCTACTCCGAGGACGCCAAG
GTCAGCACCCTGAAGGACATCATCCCCCACCCCAGCTACCTCCAGGAGGGCTCCCAGGGCGACATTGCACT
CCTCCAACTCAGCAGACCCATCACCTTCTCCCGCTACATCCGGCCCATCTGCCTCCCTGCAGCCAACGCCT
CCTTCCCCAACGGCCTCCACTGCACTGTCACTGGCTGGGGTCATGTGGCCCCCTCAGTGAGCCTCCTGACG
CCCAAGCCACTGCAGCAACTCGAGGTGCCTCTGATCAGTCGTGAGACGTGTAACTGCCTGTACAACATCGA
CGCCAAGCCTGAGGAGCCGCACTTTGTCCAAGAGGACATGGTGTGTGCTGGCTATGTGGAGGGGGGCAAGG
ACGCCTGCCAGGGTGACTCTGGGGGCCCACTCTCCTGCCCTGTGGAGGGTCTCTGGTACCTGACGGGCATT
GTGAGCTGGGGAGATGCCTGTGGGGCCCGCAACAGGCCTGGTGTGTACACTCTGGCCTCCAGCTATGCCTC
CTGGATCCAAAGCAAGGTGACAGAACTCCAGCCTCGTGTGGTGCCCCAAACCCAGGAGTCCCAGCCCGACA
GCAACCTCTGTGGCAGCCACCTGGCCTTCAGCTCTGCCCCAGCCCAGGGCTTGCTGAGGCCCATCCTTTTC
CTGCCTCTGGGCCTGGCTCTGGGCCTCCTCTCCCCATGGCTCAGCGAGCACTGAGCTGGCCCTACTTCCAG
GATGGGATGCATCACACTCAAGGACAGGAGCCTGGTCCTTCCCTGATGGCCTTTGGACCCAGGGCCTGACTT
GAGCCACTCCTTCCTTCAGGACTCTGCGGGAGGCTGGGGCCCCATCTTGATCTTTGAGCCCATTCTTCTGG
GTGTGCTTTTTGGGACCATCACTGAGAGTCAGGAGTTTTACTGCCTGTAGCAATGGCCAGAGCCTCTGGCC
CCTCACCCACCATGGACCAGCCCATTGGCCGAGCTCCTGGGGAGCTCCTGGGACCCTTGGCTATGAAAATG
AGCCCTGGCTCCCACCTGTTTCTGGAAGACTGCTCCCGGCCCGCCTGCCCAGACTGATGAGCACATCTCTC
TGCCCTCTCCCTGTGTTCTGGGCTGGGGCCACCTTTGTGCAGCTTCGAGGACAGGAAAGGCCCCAATCTTG
CCCACTGGCCGCTGAGCGCCCCCGAGCCCTGACTCCTGGACTCCGGAGGACTGAGCCCCCACCGGAACTGG
GCTGGCGCTTGGATCTGGGGTGGGAGTAACAGGGCAGAAATGATTAAAATGTTTGAGCAC

Marker 29
GGCTCCTTACCCACCCGGAGACTTTTTTTTTGAAAGGAAACTAGGGAGGGAGGGAGAGGGAGAGAGGGAGAA
AACGAAGGGGAGCTCGTCCATCCATTGAAGCACAGTTCACTATGATCTTACTCACATTCAGCACTGGAAGA
CGGTTGGATTTCGTGCATCATTCGGGGGTGTTTTTCTTGCAAACCTTGCTTTGGATTTTATGTGCTACAGT
CTGCGGAACGGAGCAGTATTTCAATGTGGAGGTTTGGTTACAAAAGTACGGCTACCTTCCACCGACTGACC
CCAGAATGTCAGTGCTGCGCTCTGCAGAGACCATGCAGTCTGCCCTAGCTGCCATGCAGCAGTTCTATGGC
ATTAACATGACAGGAAAAGTGGACAGAAACACAATTGACTGGATGAAGAAGCCCCGATGCGGTGTACCTGA
CCAGACAAGAGGTAGCTCCAAATTTCATATTCGTCGAAAGCGATATGCATTGACAGGACAGAAATGGCAGC
ACAAGCACATCACTTACAGTATAAAGAACGTAACTCCAAAAGTAGGAGACCCTGAGACTCGTAAAGCTATT
CGCCGTGCCTTTGATGTGTGGCAGAATGTAACTCCTCTGACATTTGAAGAAGTTCCCTACAGTGAATTAGA
AAATGGCAAACGTGATGTGGATATAACCATTATTTTTGCATCTGGTTTCCATGGGGACAGCTCTCCCTTTG
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TCAGATGAGCCATGGACACTAGGAAATCCTAATCATGATGGAAATGACTTATTTCTTGTAGCAGTCCATGA
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TGGAAACAGACAACTTCAAACTACCTAATGATGATTTACAGGGCATCCAGAAGATATATGGTCCACCTGAC
AAGATTCCTCCACCTACAAGACCTCTACCGACAGTGCCCCCACACCGCTCTATTCCTCCGGCTGACCCAAG
GAAAAATGACAGGCCAAAACCTCCTCGGCCTCCAACCGGCAGACCCTCCTATCCCGGAGCAAACCCAACA
TCTGTGATGGGAACTTTAACACTCTAGCTATTCTTCGTCGTGAGATGTTTGTTTTCAAGGACCAGTGGTTT
TGGCGAGTGAGAAACAACAGGGTGATGGATGGATACCCAATGCAAATTACTTACTTCTGGCGGGGCTTGCC
TCCTAGTATCGATGCAGTTTATGAAAATAGCGACGGGAATTTTGTGTTCTTTAAAGGTAACAAATATTGGG
TGTTCAAGGATACAACTCTTCAACCTGGTTACCCTCATGACTTGATAACCCTTGGAAGTGGAATTCCCCCT
CATGGTATTGATTCAGCCATTTGGTGGGAGGACGTCGGGGAAAACCTATTTCTTCAAGGGAGACAGATATTG
GAGATATAGTGAAGAAATGAAAACAATGGACCCTGGCTATCCCAAGCCAATCACAGTCTGGAAAGGGATCC
CTGAATCTCCTCAGGGAGCATTTGTACACAAAGAAAATGGCTTTACGTATTTCTACAAAGGAAAGGAGTAT
TGGAAATTCAACAACCAGATACTCAAGGTAGAACCTGGATATCCAAGATCCATCCTCAAGGATTTTATGGG
CTGTGATGGACCAACAGACAGAGTTAAAGAAGGACACAGCCCACCAGATGATGTAGACATTGTCATCAAAC
TGGACAACACAGCCAGCACTGTGAAAGCCATAGCTATTGTCATTCCCTGCATCTTGGCCTTATGCCTCCTT
GTATTGGTTTACACTGTGTTCCAGTTCAAGAGGAAAGGAACACCCCGCCACATACTGTACTGTAAACGCTC
TATGCAAGAGTGGGTGTGATGTAGGGTTTTTTCTTCTTTCTTTCTTTTGCAGGAGTTTGTGGTAACTTGAG

Table 8

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ATTCAAGACAAGAGCTGTTATGCTGTTTCCTAGCTAGGAGCAGGCTTGTGGCAGCCTGATTCGGGGCTGAC
CTTTCAAACCAGAGGGTTGCTGGTCCTGCACATGAGTGGAAATACACTCATGGGGAAGCTTCCATGATGCA
CAGTATCTGCTGTTCTTCAGTCCTTTGTCTTTCTTTGTCATTCAGTTCTAGGCCTTTCCTCTGCACGCTCA
ATGCCCAGTAAAATTTCAGGATTAACTAAAGAAGAGGAGAAAAAGAAGAAAAGATTCTTTCTTAAAAGTTT
CTAATGTTATTTTCCTTCTGAAGTCTGAGCCCATTTCTGGGGGGAGAAAAAAAAAGCAAATCAGAAAACCC
ACGGTTTTTCTTTTTTTCTTTTTTTTCTTTTTTTCTTTTTTTGGCTTTAAAACAAAGGGAAAAAAGAGTTTAA
ACAAAAAACCCACAATTGAACTTCCAGGAAAGTGTGAAGACCCAAAACAGCTTTGTCTCCAAAGAAGATAG
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ACGTTAGACTGTTGGGACAGCCATTTTCCAACAACCAAGGGGCCAAAATATCTGCAATATAGTAACAGCCT
TAATAATACATCCATTTTTCGTTTTATACAGCTGTTCTCAGCTATGTCCTCAGTGTTTCATCGCATTTATA
TTCATAGCTATTTTCAAACACGACCTTTTAATTGTTTTTGAAGTATTTCTAAACCCCTTCTTTCCACCTTA
CTCCTCCATCATTGTGATAATCTTCCCAAGTTGTATTAGGCCATTGCCCCAGGCCTTCCATGGGTCTGTCA
GGAATATTCGTTACAAAGCAGAGCAAGAAGGCAGTATGTCTCTGAAGTGGATTACAGTGGCAGTTATTTTA
CAAGGATTTGTGACACTAGTTACATACCCGTGTTACCCTTTGAGAACTATCAGACCAGCTYTCAGAGTCTT
AGGATTGTCGSTCTTGCGATCTGATAAATTATAGAACTGGGCAATGGTAAAAACAGTCACAAGTTCAAGAA
GTTCAGGTTTTTAAAACAGATATCCTATAATGTCATATAATTTTTAAATGATTTACAAGACTACATAAATG
TGTTTATAACAAACAGAAATGATGTTACTTGCCAAAATTTTTCTGGCAAATAAAAAAGGTATTTTATTAAG
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CATTTTAAAAATGAATTAAAACGGTGACTCTGAAGTTGCATGAATATCCTCCAGTGCATTACCTATTGCAT
GTCCACCATAGTTCTCAAAGGGTTAGTGTGGCTTCTGGCATTTAGCCGNCCATTTGATCACTGACAGAGCC
ANGAGACCACCAAAGCATTTCATTGTTGAGTGTAATTTGTCCTAACAGCAGTATTGTCATTTTCATGTGAC
CTGCAGAGCAGGTTTGTATCAATATTTTTTTCCTAGAGAAAAGTCAGCAACTGACAGACCTCTTTATTGAT
TTTTAGGAGCTGCTTCTTGCAGTGAAAGGCTTTACAGCCACTGGGCTGTGAACTTATTAGAGATGGTCAGA
ATGAATGCACCCCANTGAGTCAGNAMCATTNGGCTTTGTGNTGNAAAGCCCAGNCTTTNGAGGGGATTAGC
CTTTTGGAAAACAAATGAACCAGCCTTGCCCCTTGAAACTTGAATTAATTGATCCTATTGACTGTNCATTAA
CAACAACTTAAACATTGTNCTTNCTGTGNAAAATTTTCCTTGAAGAGTNCCTGTTNCTATGTCTTTGCCCT
TTGACCTTTAACTTGCAAACTGGCACAAACTGAAGGAAATCTGGTGTTGCTTCTCCATTGGATTAGTTGTT
CTCTAAAACCTAGTAAGCATGAGCTGTTTCCTTAGAGTGGAGAGAGTGGTGATGGCAGATCTGCAGATGGA
CACTTTGCTCTTTACATGCACACTCTGAAAATGCCCTATAGGTAGAAGTGAATTTTAATTTCATTTTAATA
TAATTTCNAAGTCTAAATTCATCATTTTAGTACAAATTACAAAAACTATAGGAAAAAAAAAAAAAAAAAAA
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Marker 37
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CCACGCGTCCGTGGAGCGGAGCCAGGGTCTGAGCCTGCCGGCTCATCCAGCCTCTCTTGCTGCCCTAGCGG
CCTCCAACACAACCGCATCTGGGAAATTGGAGCTGACACCTTCAGCCAGCTGAGCTCCCTGCAAGCCCTGG
ATCTTAGCTGGAACGCCATCCGGTCCATCCACCCTGAGGCCTTCTCCACCCTGCACTCCCTGGTCAAGCTG
GACCTGACAGACAACCAGCTGACCACACTGCCCCTGGCTGGACTTGGGGGCTTGATGCATCTGAAGCTCAA
AGGGAACCTTGCTCTCTCCCAGGCCTTCTCCAAGGACAGTTTCCCAAAACTGAGGATCCTGAAGGTGCCTT
ATGCCTACCAGTGCTGTCCCTATGGGATGTGTGCCAGCTTCTTCAAGGCCTCTGGGCAGTGGGAGGCTGAA
GACCTTCACCTTGATGATGAGGAGTCTTCAAAAAGGCCCCTGGGCCTCCTTGCCAGACAAGCAGAGAACCA
CTATGACCAGGACCTGGATGAGCTCCAGCTGGAGATGGAGGACTCAAAGCCACACCCCAGTGTCCAGTGTA
GCCCTACTCCAGGCCCCTTCAAGCCCTGTGAGTACCTCTTTGAAAGCTGGGGCATCCGCCTGGCCGTGTGG
GCCATCGTGTTGCTCTCCGTGCTCTGCAATGGACTGGTGCTGCTGACCGTGTTCGCTGGCGGGCCTGCCCC
CCTGCCCCCGGTCAAGTTTGTGGTAGGTGCGATTGCAGGCGCCAACACCTTGACTGGCATTTCCTGTGGCC
TTCTAGCCTCAGTCGATGCCCTGACCTTTGGTCAGTTCTCTGAGTACGGAGCCCGCTGGGAGACGGGGCTA
GGCTGCCGGGCCACTGGCTTCCTGGCAGTACTTGGGTCGGAGGCATCGGTGCTGCTGCTCACTCTGGCCGC
AGTGCAGTGCAGCGTCTCCGTCTCCTGTGTCCGGGCCTATGGGAAGTCCCCCTCCCTGGGCAGCGTTCGAG
CAGGGGTCCTAGGCTGCCTGGCACTGGCAGGGCTGGCCGCCGCACTGCCCCTGGCCTCAGTGGGAGAATAC
GGGGCCTCCCCACTCTGCCTGCCCTACGCGCCACCTGAGGGTCAGCCAGCAGCCCTGGGCTTCACCGTGGC
CCTGGTGATGATGAACTCCTTCTGTTTCCTGGTCGTGGCCGGTGCCTACATCAAACTGTACTGTGACCTGC
CGCGGGGCGACTTTGAGGCCGTGTGGGACTGCGCCATGGTGAGGCACGTGGCCTGGCTCATCTTCGCAGAC
GGGCTCCTCTACTGTCCCGTGGCCTTCCTCAGCTTCGCCTCCATGCTGGGCCTCTTCCCTGTCACGCCCGA
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Table 8

GGCCGTCAAGTCTGTCCTGCTGGTGGTGCTGCCCCTGCCTGCCTGCCTCAACCCACTGCTGTACCTGCTCT
TCAACCCCCACTTCCGGGATGACCTTCGGCGGCTTCGGCCCCGCGCAGGGGACTCAGGGCCCCTAGCCTAT
GCTGCGGCCGGGGAGCTGGAGAAGAGCTCCTGTGATTCTACCCAGGCCCTGGTAGCCTTCTCTGATGTGGA
TCTCATTCTGGAAGCTTCTGAAGCTGGGCGGCCCCCTGGGCTGGAGACCTATGGCTTCCCCTCAGTGACCC
TCATCTCCTGTCAGCAGCCAGGGGCCCCCAGGCTGGAGGGCAGCCATTGTGTAGAGCCAGAGGGGAACCAC
TTTGGGAACCCCCAACCCTCCATGGATGGAGAACTGCTGCTGAGGGCAGAGGGATCTACGCCAGCAGGTGG
AGGCTTGTCAGGGGGTGGCGGCTTTCAGCCCTCTGGCTTGGCCTTTGCTTCACACGTGTAAATATCCCTCC
CCATTCTTCTCTTCCCCTCTCTTCCCTTTCCTCTCTCCCCCTCGGTGAATGATGGCTGCTTCTAAAACAAA
TACAACCAAAACTCAGCAGTGTGATCTATAGCAGGATGGCCCAGTACCTGGCTCCACTGATCACCTCTCTC
CTGTGACCATCACCAACGGGTGCCTCTTGGCCTGGCTTTCCCTTGGCCTTCCTCAGCTTCACCTTGATACT
GGGCCTCTTCCTTGTCATGTCTGAAGCTGTGGACCAGAGACCTGGACTTTTGTCTGCTTAAGGGAAATGAG
GGAAGTAAAGACAGTGAAGGGGTGGAGGGTTGATCAGGGCACAGTGGACAGGGAGACCTCACAGAGAAGG
CCTGGAAGGTGATTTCCCGTGTGACTCATGGATAGGATACAAAATGTGTTCCATGTACCATTAATCTTGAC
ATATGCCATGCATAAAGACTTCCTATTAAAATAAGCTTTGGAAGAGATTA

Marker 38
AAACACACTCAGCCCTTGCACTGACCTGCCTTCTGATTGGAGGCTGGTTGCTTCGGATAATGACCTCCAGG
ACCCCACTGTTGGTTACAGCCTGTTTGTATTATTCTTACTGCAACTCAAGACACCTGCAGCAGGGCGTGAG
AAAAAGTAAAAGACCAGTATTTTCACATTGCCAGGTACCAGAAACACAGAAGACTGACACCCGCCACTTAA
GTGGGGCCAGGGCTGGTGTCTGCCCATGTTGCCATCCTGATGGGCTGCTTGCCACAATGAGGGATCTTCTT
CAATACATCGCTTGCTTCTTTGCCTTTTTCTCTGCTGGGTTTTTGATTGTGGCCACCTGGACTGACTGTTG
GATGGTGAATGCTGATGACTCTCTGGAGGTGAGCACAAAATGCCGAGGCCTCTGGTGGGAATGCGTCACAA
ATGCTTTTGATGGGATTCGCACCTGTGATGAGTACGATTCCATACTTGCGGAGCATCCCTTGAAGCTGGTG
GTAACTCGAGCGTTGATGATTACTGCAGATATTCTAGCTGGGTTTGGATTTCTCACCCTGCTCCTTGGTCT
TGACTGCGTGAAATTCCTCCCTGATGAGCCGTACATTAAAGTCCGCATCTGCTTTGTTGCTGGAGCCACGT
TACTAATAGCAGGTACCCCAGGAATCATTGGCTCTGTGTGGTATGCTGTTGATGTGTATGTGGAACGTTCT
ACTTTGGTTTTGCACAATATATTTCTTGGTATCCAATATAAATTTGGTTGGTCCTGTTGGCTCGGAATGGC
TGGGTCTCTGGGTTGCTTTTTGGCTGGAGCTGTTCTGACCTGCTGCTTATATCTTTTTAAAGATGTTGGAC
CTGAGAGAAACTATCCTTATTCCTTGAGGAAAGCCTATTCAGCCGCGGGTGTTTCCATGGCCAAGTCATAC
TCAGCCCCTCGCACAGAGACGGCCAAAATGTATGCTGTAGACACAAGGGTGTAAAATGCACGTTTCAGGGT
GTGTTTGCATATGATTTAATCAATCAGTATGGTTACATTGATAAAATAGTAAGTCAATCCAGGAACAGTTA
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TCTATTACTCTTATATTTTCCCGTCATTCTCTCTGCTAACCTTCCACCTTATGCACACACTTTCCCTATAT
TTTAAGATAAGTCTGCTAGGATGTAGAAATATTTGTTTGTGATTTCTATATAGCTATTAGAGATTATGACA
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TATTTGATAATTTTGAGGAAGATTATTCTTTTAAATTCAAACTAGTATGTCAATGCCTACCATTACTCTGA
TTATATTAAAACAGAAAAAGGAAATAACAACTTCGTATACCAGCCACTGGTGAGAGTTAAAGACAAGAGCT
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CTAACAACATAAGGGATCTCCATATTATTTCACCACTATTCTAGCTTTGCTGAGATATTGCCAAATGATTA
GACTACACAATAGTTCAACCAGAGAATTTACTCATTTATTGATTAAACATCCAAATACTATTGTAATATAC
TATGTTAAAATTCATCAATTCAAGTGCCCACACACCACTGAATCATCAGCACCAAGCAATATATTAGACAT
ATGGCAAAATTCAACAAATATATTTTGATATAAATAAATAAACGTTCACGACTTTTACTTAAAAAATCAATG
TTGCGGCTGGGCACGGTAGCTCGCGTCTGTAATCNCCGCACTNTGGGAGGCCAAGGCGGGTGGATCACGAG
GTCAAGAGACGGAGACCATCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCG
GGCGTGGTGGCGGTGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATCGTTTGAACCCAGGAG
GTGGAGGTTGCAGTGAGCGGAGATCGCACCATTGCACTCCAGTCTGGCAACAGAGCGAGACTCCAT

Marker 39
CCCAGCGGCTCTCCTGGCCTCGCGCTGCACATTCTCTCCTGGCGGCGGCGCCACCTGCAGTAGCGTTCGCC
CGAACATGGCGACACGGAGCAGCAGGAGGGAGTCGCGACTCCCGTTCCTATTCACCCTGGTCGCACTGCTG

Table 8

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CCGCCCGGAGCTCTCTGCGAAGTCTGGACGCAGAGGCTGCACGGCGGCAGCGCGCCCTTGCCCCAGGACCG
GGGCTTCCTCGTGGTGCAGGGCGACCCGCGCGAGCTGCGGCTGTGGGCGCGCGGGGATGCCAGGGGGGCGA
GCCGCGCGGACGAGAAGCCGCTCCGGAGGAAACGGAGCGCTGCCCTGCAGCCCGAGCCCATCAAGGTGTAC
GGACAGGTTAGTCTGAATGATTCCCACAATCAGATGGTGGTGCACTGGGCTGGAGAGAAAAGCAACGTGAT
CGTGGCCTTGGCCCGAGATAGCCTGGCATTGGCGAGGCCCAAGAGCAGTGATGTGTACGTGTCTTACGACT
ATGGAAAATCATTCAAGAAAATTTCAGACAAGTTAAACTTTGGCTTGGGAAATAGGAGTGAAGCTGTTATC
GCCCAGTTCTACCACAGCCCTGCGGACAACAAGCGGTACATCTTTGCAGACGCTTATGCCCAGTACCTCTG
GATCACGTTTGACTTCTGCAACACTCTTCAAGGCTTTTCCATCCCATTTCGGGCAGCTGATCTCCTCCTAC
ACAGTAAGGCCTCCAACCTTCTCTTGGGCTTTGACAGGTCCCACCCCAACAAGCAGCTGTGGAAGTCAGAT
GACTTTGGCCAGACCTGGATCATGATTCAGGAACATGTCAAGTCCTTTTCTTGGGGAATTGATCCCTATGA
CAAACCAAATACCATCTACATTGAACGACACGAACCCTCTGGCTACTCCACTGTCTTCCGAAGTACAGATT
TCTTCCAGTCCCGGGAAAAACCAGGAAGTGATCCTTGAGGAAGTGAGAGATTTTCAGCTTCGGGACAAGTAC
ATGTTTGCTACAAAGGTGGTGCATCTCTTGGGCAGTGAACAGCAGTCTTCTGTCCAGCTCTGGGTCTCCTT
TGGCCGGAAGCCCATGAGAGCAGCCCAGTTTGTCACAAGACATCCTATTAATGAATATTACATCGCAGATG
CCTCCGAGGACCAGGTGTTTGTGTGTGTCAGCCACAGTAACAACCGCACCAATTTATACATCTCAGAGGCA
GAGGGGCTGAAGTTCTCCCTGTCCTTGGAGAACGTGCTCTATTACAGCCCAGGAGGGGCCGGCAGTGACAC
CTTGGTGAGGTATTTTGCAAATGAACCATTTGCTGACTTCCACCGAGTGGAAGGATTGCAAGGAGTCTACA
TTGCTACTCTGATTAATGGTTCTATGAATGAGGAGAACATGAGATCGGTCATCACCTTTGACAAAGGGGGA
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CTGTTCCCTTCATCTGGCTCAGCGCCTCAGTCAGCTCCTCAACCTCCAGCTCCGGAGAATGCCCATCCTGT
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AAGGGGAGACCTGGAAAACATTCATCTTCTCTGAGAAGCCAGTGTTTGTGTATGGCCTCCTCACAGAACCT
GGGGAGAAGAGCACTGTCTTCACCATCTTTGGCTCGAACAAAGAGAATGTCCACAGCTGGCTGATCCTCCA
GGTCAATGCCACGGATGCCTTGGGAGTTCCCTGCACAGAGAATGACTACAAGCTGTGGTCACCATCTGATG
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AATGGAGAGGACTTTGACAGGCCGGTGGTCGTGTCCAACTGCTCCTGCACCCGGGAGGACTATGAGTGTGA
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CATACTCCCCTCCTGTGCCTTGCCCTGTGGGTTCTACTTACAGGACGAACGAGAGGCTACCGGAAGATTTCT
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CAGGTGTCCAGAGGATGTGTCCAGCAGTGTGCTTCCATCAGGGGACCTGATGTGTGACTGCCCTCAGGGCT
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CCTATAAATGTGACCTTGAGGATGACTGTGGAGACAACAGTGATGAAAGTCATTGTGAAATGCACCAGTGC
CGGAGTGACGAGTACAACTGCAGTTCCGGCATGTGCATCCGCTCCTCCTGGGTATGTGACGGGGACAACGA
CTGCAGGGACTGGTCTGATGAAGCCAACTGTACCGCCATCTATCACACCTGTGAGGCCTCCAACTTCCAGT
GCCGAAACGGGCACTGCATCCCCCAGCGGTGGGCGTGTGACGGGGATACGGACTGCCAGGATGGTTCCGAT
GAGGATCCAGTCAACTGTGAGAAGAAGTGCAATGGATTCCGCTGCCCAAACGGCACTTGCATCCCATCCAG
CAAACATTGTGATGGTCTGCGTGATTGCTCTGATGGCTCCGATGAACAGCACTGCGAGCCCCTCTGTACGC
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Table 8

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ACTTCATGGACTTTGTGTGTAAGAACCGCCAGCAGTGCCTGTTCCACTCCATGGTCTGTGACGGAATCATC
CAGTGCCGCGACGGGTCCGATGAGGATGCGGCGTTTGCAGGATGCTCCCAAGATCCTGAGTTCCACAAGGT
ATGTGATGAGTTCGGTTTCCAGTGTCAGAATGGAGTGTGCATCAGTTTGATTTGGAAGTGCGACGGGATGG
ATGATTGCGGCGATTATTCTGATGAAGCCAACTGCGAAAACCCCACAGAAGCCCCAAACTGCTCCCGCTAC
TTCCAGTTTCGGTGTGAGAATGGCCACTGCATCCCCAACAGATGGAAATGTGACAGGGAGAACGACTGTGG
GGACTGGTCTGATGAGAAGGATTGTGGAGATTCACATATTCTTCCCTTCTCGACTCCTGGGCCCTCCACGT
GTCTGCCCAATTACTACCGCTGCAGCAGTGGGACCTGCGTGATGGACACCTGGGTGTGCGACGGGTACCGA
GATTGTGCAGATGGCTCTGACGAGGAAGCCTGCCCCTTGCTTGCAAACGTCACTGCTGCCTCCACTCCCAC
CCAACTTGGGCGATGTGACCGATTTGAGTTCGAATGCCACCAACCGAAGACGTGTATTCCCAACTGGAAGC
GCTGTGACGGCCACCAAGATTGCCAGGATGGCCGGGACGAGGCCAATTGCCCCACACACAGCACCTTGACT
TGCATGAGCAGGGAGTTCCAGTGCGAGGACGGGGAGGCCTGCATTGTGCTCTCGGAGCGCTGCGACGGCTT
CCTGGACTGCTCGGACGAGAGCGATGAAAAGGCCTGCAGTGATGAGTTGACTGTGTACAAAGTACAGAATC
TTCAGTGGACAGCTGACTTCTCTGGGGATGTGACTTTGACCTGGATGAGGCCCAAAAAAATGCCCTCTGCT
TCTTGTGTATATAATGTCTACTACAGGGTGGTTGGAGAGAGCATATGGAAGACTCTGGAGACCCACAGCAA
TAAGACAAACACTGTATTAAAAGTCTTGAAACCAGATACCACGTATCAGGTTAAAGTACAGGTTCAGTGTC
TCAGCAAGGCACACAACACCAATGACTTTGTGACCCTGAGGACCCCAGAGGGATTGCCAGATGCCCCTCGA
AATCTCCAGCTGTCACTCCCCAGGGAAGCAGAAGGTGTGATTGTAGGCCACTGGGCTCCTCCCATCCACAC
CCATGGCCTCATCCGTGAGTACATTGTAGAATACAGCAGGAGTGGTTCCAAGATGTGGGCCTCCCAGAGGG
CTGCTAGTAACTTTACAGAAATCAAGAACTTATTGGTCAACACTCTATACACCGTCAGAGTGGCTGCGGTG
ACTAGTCGTGGAATAGGAAACTGGAGCGATTCTAAATCCATTACCACCATAAAAGGAAAAGTGATCCCACC
ACCAGATATCCACATTGACAGCTATGGTGAAAATTATCTAAGCTTCACCCTGACCATGGAGAGTGATATCA
AGGTGAATGGCTATGTGGTGAACCTTTTCTGGGCATTTGACACCCACAAGCAAGAGAGGAGAACTTTGAAC
TTCCGAGGAAGCATATTGTCACACAAAGTTGGCAATCTGACAGCTCATACATCCTATGAGATTTCTGCCTG
GGCCAAGACTGACTTGGGGGATAGCCCTCTGGCATTTGAGCATGTTATGACCAGAGGGGTTCGCCCACCTG
CACCTAGCCTCAAGGCCAAAGCCATCAACCAGACTGCAGTGGAATGTACCTGGACCGGCCCCCGGAATGTG
GTTTATGGTATTTTCTATGCCACGTCCTTTCTTGACCTCTATCGCAACCCGAAGAGCTTGACTACTTCACT
CCACAACAAGACGGTCATTGTCAGTAAGGATGAGCAGTATTTGTTTCTGGTCCGTGTAGTGGTACCCTACC
AGGGGCCATCCTCTGACTACGTTGTAGTGAAGATGATCCCGGACAGCAGGCTTCCACCCCGTCACCTGCAT
GTGGTTCATACGGGCAAAACCTCCGTGGTCATCAAGTGGGAATCACCGTATGACTCTCCTGACCAGGACTT
GTTGTATGCAATTGCAGTCAAAGATCTCATAAGAAAGACTGACAGGAGCTACAAAGTAAAATCCCGTAACA
GCACTGTGGAATACACCCTTAACAAGTTGGAGCCTGGCGGGAAATACCACATCATTGTCCAACTGGGGAAC
ATGAGCAAAGATTCCAGCATAAAAATTACCACAGTTTCATTATCAGCACCTGATGCCTTAAAAATCATAAC
AGAAAATGATCATGTTCTTCTGTTTTGGAAAAGCCTGGCTTTAAAGGAAAAGCATTTTAATGAAAGCAGGG
GCTATGAGATACACATGTTTGATAGTGCCATGAATATCACAGCTTACCTTGGGAATACTACTGACAATTTC
TTTAAAATTTCCAACCTGAAGATGGGTCATAATTACACGTTCACCGTCCAAGCAAGATGCCTTTTTGGCAA
CCAGATCTGTGGGGAGCCTGCCATCCTGCTGTACGATGAGCTGGGGTCTGGTGCAGATGCATCTGCAACGC
AGCTGCCAGATCTACGGATGTTGCTGCTGTGGTGGTGCCCATCTTATTCCTGATACTGCTGAGCCTGGGGG
TGGGGTTTGCCATCCTGTACACGAAGCACCGGAGGCTGCAGAGCAGCTTCACCGCCTTCGCCAACAGCCAC
TACAGCTCCAGGCTGGGGTCCGCAATCTTCTCCTCTGGGGATGACCTGGGGGAAGATGATGAAGATGCCCC
TATGATAACTGGATTTTCAGATGACGTCCCCATGGTGATAGCCTGAAAGAGCTTTCCTCACTAGAAACCAA
ATGGTGTAAATATTTTATTTGATAAAGATAGTTGATGGTTTATTTTAAAAGATGCACTTTGAGTTGCAATA
TGTTATTTTTATATGGGCCATTTACAAAAAACAAAAAAAAAAAAAAAGGAAAGAAAGGAATGAATAAACTT
TGTAGTAATCAACTG
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Marker 40
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AGACGCCCCGAGGTCGGAGTGAAGCGCCGGGACCGAGCCCCGTCTCCCAGGGAGTCCGGGGCGCACGGCAC
CGAGGAGAGCGCGGGAGCCAACCTGGGCGCATCATGCGCAGGGCCCGGGACGCTGGGCCGGTCTACACCGC
CGCCTGGGTCACGTGGCCCGGACGGGCCGGCGGCTGCCCCGGCCGGGGGGCGGGGGTCGCGCCGGGGTTGC
GCTGGACGACGGAGAGCGGCGGGCCCGCAGCGGCCTGGAGCCTCCCAACCCGCGCCGCGCTGGCCCTCGAG
CGTAGGAGCCGCCCCCTGCCCCCCCGCGCCGGCCCCGCGCCCGGCGCCCGCCCCCTATATAGCGCGCCCC
AGCAGGGCCCGCGCCAGGCCGCCAGCCTCGGAGTGGGCGCGGGACAGTGCGCGGCGCCCCGCAGCCAGGCC
CCCGCCCCCGCCGCATCCACCTCCTCCGCCGCCTGCGACCCAACGGGCGCCCCCCGCCGCGGCAGCTGCCG
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Table 8

CCGGGCCCCCGCGGCCACCATGAAGAAGGAGGTGTGCTCCGTGGCCTTCCTCAAGGCCGTGTTCGCAGAGT
TCTTGGCCACCCTCATCTTCGTCTTCTTTGGCCTGGGCTCGGCCCTCAAGTGGCCGTCGGCGCTGCCTACC
ATCCTGCAGATCGCGCTGGCGTTTGGCCTGGCCATAGGCACGCTGGCCCAGGCCCTGGGACCCGTGAGCGG
CGGCCACATCAACCCCGCCATCACCCTGGCCCTCTTGGTGGGCAACCAGATCTCGCTGCTCCGGGCTTTCT
TCTACGTGGCGGCCCAGCTGGTGGGCGCCATTGCCGGGGCTGGCATCCTCTACGGTGTGGCACCGCTCAAT
GCCCGGGGCAATCTGGCCGTCAACGCGCTCAACAACAACACAACGCAGGGCCAGGCCATGGTGGTGGAGCT
GATTCTGACCTTCCAGCTGGCACTCTGCATCTTCGCCTCCACTGACTCCCGCCGCACCAGCCCTGTGGGCT
CCCCAGCCCTGTCCATTGGCCTGTCTGTCACCCTGGGCCACCTTGTCGGAATCTACTTCACTGGCTGCTCC
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GGTAGGGCCCATCGTGGGGGCGGTCCTGGCTGCCATCCTTTACTTCTACCTGCTCTTCCCCAACTCCCTGA
GCCTGAGTGAGCGTGTGGCCATCATCAAAGGCACGTATGAGCCTGACGAGGACTGGGAGGAGCAGCGGGAA
GAGCGGAAGAAGACCATGGAGCTGACCACCCGCTGACCAGTGTCAGGCAGGGGCCAGCCCCTCAGCCCCTG
AGCCAAGGGGGAAAAGAAGAAAAAGTACCTAACACAAGCTTCCTTTTTGCACAACCGGTCCTCTTGGCTGA
GGAGGAGGAGCTGGTCACCCTGGCTGCACAGTTAGAGAGGGGAGAAGGAACCCATGATGGGACTCCTGGGG
TAGGGGCCAGGGGCTGGGGTCTGCTGGGGACAGGTCTCTCTGGGACAGACCTCAGAGATTGTGAATGCAGT
GCCAAGCTCACAGGCTGCAAGGGCCAGGCCAGAAAAGGGTGGGCCTGCAGCCTGCACCCCCCACCTTCCCC
AACCCTTCCTCAAGAGCTGAAGGGATCCCAGCCCCTAGGTGGGCAGAGGCAGACCCTCCCCAGAGCTCCTT
AGGAAGAAGACAGACTGGTTCATTGAATGCCGCCTTATTTATTTCTGGTGAGGATGCATGCGTGGGGCTGC
TGGTGTTTAGAGTGGGGGCTACCCAATAAATCACTGATACTCAAAACACCAGCAGACCCTCCCCAGAGCTC
CTTAGGAAGAAGACAGACTGGTTCATTGAATGCCGCCTTATTTATTTCTGGTGAGGATGCATGCGTGGGGC
TGCTGGTGTTTAGAGTGGGGGCTACCCAATAAATCACTGATACTCACATTCCGCCTCTGTCTCTCCTCAGA
GTGCCTTGAGACACTCTGGCCCATTGCCTCTCCTCTTTGTCATCCCACATCCTCCACCACGATCTCCACAG
GGTACCAGGGGACCCCAGGACAAGTGCTCTGTGGGAAGAAA

Marker 41
GCCATGCTGTCATGAGAAAGTGGCTTCTTCTCAATGACCCGGAAGATACCAGTTCAGGTTCTAAAGGTTAT
ATGAAAGTCAGCATGTTTGTCCTGGGAACCGGAGATGAGCCTCCTCCTGAGAGACGAGATCGTGATAATGA
CAGTGATGATGTGGAGAGTAATTTGTTACTCCCTGCTGGCATTGCCCTGGGAACCGGAGATGAGCCTCCTC
CTGAGAGACGAGATCGTGATAATGACAGTGATGATGTGGAGAGTAATTTGTTACTCCCTGCTGGCATTGCC
CTCCGGTGGGTGACCTTCTTGCTGAAAATCTACCGAGCTGAGGACATCCCCCAGATGGGATGATGCCTTCTC
ACAGACAGTAAAGGAAATATTTGGAGGCAATGCAGATAAGAAAAATCTCGTGGATCCTTTTGTAGAAGTTT
CCTTTGCTGGAAAAAAGGTTTGTACAAACATAATTGAGAAAAATGCAAACCCAGAGTGGAATCAGGTCGTC
AATCTTCAGATCAAGTTTCCTTCAGTGTGTGAAAAAATAAAACTAACAATATATGACTGGGACCGTCTTAC
TAAAAATGATGTAGTTGGAACAACATATCTACACCTCTCTAAAATTGCTGCCTCTGGTGGGGAAGTGGAAG
ATTTCTCATCTTCGGGAACTGGGGCTGCATCATATACAGTAAACACAGGAGAAACAGAGGTAGGCTTTGTT
CCAACGTTTGGACCTTGTTACCTGAATCTTTATGGAAGCCCCAGAGAGTACACGGGATTCCCAGACCCCTA
TGATGAGCTGAATACTGGAAAGGGGGAAGGAGTTGCCTACAGAGGCAGGATCTTGGTTGAATTAGCCACTT
TTCTTGAGAAGACACCACCAGATAAAAAGCTTGAGCCCATTTCAAATGATGACCTGCTGGTTGTTGAGAAA
TACCAGCGAAGGCGGAAGTACAGCCTGTCTGCCGTGTTTCATTCAGCCACCATGTTGCAAGATGTTGGTGA
GGCCATTCAGTTTGAAGTCAGCATTGGGAACTATGGCAACAAGTTTGACACCACCTGTAAGCCTTTGGCAT
CAACAACTCAGTACAGCCGTGCTGTATTTGATGGCAACTACTATTATTACTTGCCTTGGGCCCACACCAAG
CCAGTTGTTACCCTGACTTCATACTGGGAGGATATTAGTCATCGCCTGGATGCGGTGAACACTCTCCTAGC
TATGGCAGAACGGCTGCAAACAAATATAGAAGCTCTAAAATCAGGGATACAAGGTAAAATTCCTGCAAACC
AGCTGGCTGAATTGTGGCTGAAGCTGATAGATGAAGTTATAGAAGACACGAGATACACGTTGCCTCTCACA
GAAGGAAAAGCCAACGTCACAGTTCTCGATACTCAGATCCGAAAGCTGCGGTCCAGGTCTCTCTCCCAAAT
ACATGAGGCGGCTGTGAGGATGAGGTCGGAAGCCACAGATGTGAAGTCCACACTGGCAGAAATTGAGGACT
GGCTTGATAAATTAATGCAGCTGACTGAAGAGCCACAGAACAGCATGCCTGACATCATCATCTGGATGATC
CGGGGAGAGAAGAGACTGGCCTATGCACGAATTCCCGCACATCAGGTCTTGTACTCCACCAGTGGTGAGAA
TGCATCTGGAAAATACTGTGGGAAAACCCAAACCATCTTTCTGAAGTATCCACAGGAGAAAAACAACGGGC
CAAAGGTGCCTGTGGAGTTGCGAGTGAACATCTGGCTAGGCTTAAGTGCTGTGGAGAAGAAGTTTAACAGC
TTCGCAGAAGGAACTTTCACCGTCTTTGCTGAAATGTATGAAAATCAAGCTCTCATGTTTGGAAAATGGGG
TACTTCTGGATTAGTAGGACGTCATAAGTTTTCTGATGTCACAGGAAAAATAAAACTCAAGAGGGAATTTT

Table 8

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TTCTGCCTCCAAAAGGCTGGGAATGGGAAGGAGAGTGGATAGTTGATCCTGAAAGAAGCTTGCTGACTGAG
GCAGATGCAGGTCACACGGAGTTCACTGATGAAGTCTATCAGAACGAGAGCCGCTACCCCGGGGGCGACTG
GAAGCCGGCCGAGGACACCTACACGGATGCGAACGGCGATAAAGCAGCATCACCCAGCGAGTTGACTTGTC
CTCCAGGTTGGGAATGGGAAGATGATGCATGGTCTTATGACATAAATCGAGCGGTGGATGAGAAAGGCTGG
GAATATGGAATCACCATTCCTCCTGATCATAAGCCCAAATCCTGGGTTGCAGCAGAGAAAATGTACCACAC
TCATAGACGGCGAAGGCTGGTCCGAAAACGCAAGAAAGATTTAACACAGACTGCTTCAAGCACCGCAAGGG
CCATGGAGGAATTGCAAGACCAAGAGGGCTGGGAATATGCTTCTCTAATTGGCTGGAAATTTCACTGGAAA
CAACGTAGTTCAGATACCTTCCGCCGCAGACGCTGGAGGAGAAAAATGGCTCCTTCAGAAACACATGGTGC
AGCTGCCATCTTTAAACTTGAAGGTGCCCTTGGGGCAGACACTACCGAAGATGGGGATGAGAAGAGCCTGG
AGAAACAGAAGCACAGTGCCACCACTGTGTTCGGAGCAAACACCCCCATTGTTTCCTGCAATTTTGACAGA
GTCTACATCTACCATCTGCGCTGCTATGTCTATCAAGCCAGAAACCTCTTGGCTTTAGATAAGGATAGCTT
TTCAGATCCATATGCTCATATCTGTTTCCTCCATCGGAGCAAAACCACTGAGATCATCCATTCAACCCTGA
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AATCCACCCAAAGTTATCATGGAACTTTTTGACAATGACCAAGTGGGCAAAGATGAATTTTTAGGACGAAG
CATTTTCTCTCCTGTGGTGAAACTGAACTCAGAAATGGACATCACACCCAAACTTCTCTGGCACCCAGTAA
TGAATGGAGACAAAGCCTGCGGGGATGTTCTTGTAACTGCAGAGCTGATTCTGAGGGGCAAGGATGGCTCC
AACCTTCCCATTCTTCCCCCTCAAAGGGCGCCAAATCTATACATGGTCCCCCAGGGGATCAGGCCTGTGGT
CCAGCTCACTGCCATTGAGATTCTAGCTTGGGGCTTAAGAAATATGAAAAACTTCCAGATGGCTTCTATCA
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ACACCCAACTTTCCAAGTTCTGTTCTCTTCATGAAAGTGTTCTTGCCCAAGGAGGAATTGTACATGCCCCC
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GCCTGGACCGCTTTCGCTGTGACCCTTATGCAGGGAAAGAGGACATCGTCCCACAGCTCAAAGCCTCCCTT
CTGTCTGCCCCACCATGCCGGGACATCGTTATCGAAATGGAAGACACCAAACCATTACTGGCTTCTAAGCT
GACAGAAAAGGAGGAAGAAATCGTGGACTGGTGGAGTAAATTTTATGCTTCCTCAGGGGAACATGAAAAAT
GCGGACAGTATATTCAGAAAGGCTATTCCAAGCTCAAGATATATAATTGCGAACTAGAAAATGTAGCAGAA
TTTGAGGGCCTGACAGACTTCTCAGATACGTTCAAGTTGTACCGAGGCAAGTCGGATGAAAATGAAGATCC
TTCTGTGGTTGGAGAGTTTAAGGGCTCCTTTCGGATCTACCCTCTGCCGGATGACCCCAGCGTGCCAGCCC
CTCCCAGACAGTTTCGGGAATTACCTGACAGCGTCCCACAGGAATGCACGGTTAGGATTTACATTGTTCGA
GGCTTAGAGCTCCAGCCCCAGGACAACAATGGCCTGTGTGACCCTTACATAAAAAATAACACTGGGCAAAAA
AGTCATTGAAGACCGAGATCACTACATTCCCAACACTCTCAACCCAGTCTTTGGCAGGATGTACGAACTGA
GCTGCTACTTACCTCAAGAAAAAGACCTGAAAATTTCTGTCTATGATTATGACACCTTTACCCGGGATGAA
AAAGTAGGAGAAACAATTATTGATCTGGAAAACCGATTCCTTTCCCGCTTTGGGTCCCACTGCGGCATACC
AGAGGAGTACTGTGTTTCTGGAGTCAATACCTGGCGAGATCAACTGAGACCAACACAGCTGCTTCAAAATG
TCGCCAGATTCAAAGGCTTCCCACAACCCATCCTTTCCGAAGATGGGAGTAGAATCAGATATGGAGGACGA
GACTACAGCTTGGATGAATTTGAAGCCAACAAAATCCTGCACCAGCACCTCGGGGCCCCTGAAGAGCGGCT
TGCTCTTCACATCCTCAGGACTCAGGGGCTGGTCCCTGAGCACGTGGAAACAAGGACTTTGCACAGCACCT
TCCAGCCCAACATTTCCCAGGGAAAACTTCAGATGTGGGTGGATGTTTTCCCCAAGAGTTTGGGGCCACCA
GGCCCTCCTTTCAACATCACACCCCGGAAAGCCAAGAAATACTACCTGCGTGTGATCATCTGGAACACCAA
GGACGTTATCTTGGACGAGAAAAGCATCACAGGAGAGGAAATGAGTGACATCTACGTCAAAGGCTGGATTC
CTGGCAATGAAGAAACAAACAGAAAACAGATGTCCATTACAGATCTTTGGATGGTGAAGGGAATTTTAAC
TGGCGATTTGTTTTCCCGTTTGACTACCTTCCAGCCGAACAACTCTGTATCGTTGCGAAAAAAGAGCATTT
CTGGAGTATTGACCAAACGGAATTTCGAATCCCACCCAGGCTGATCATTCAGATATGGGACAATGACAAGT
TTTCTCTGGATGACTACTTGGGTTTCCTAGAACTTGACTTGCGTCACACGATCATTCCTGCAAAATCACCA
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CTTTGAGCAGAAGTCCATGAAAGGATGGTGGCCATGCTACGCAGAGAAAGATGGCGCCCGCGTAATGGCTG
GGAAAGTGGAGATGACATTGGAAATCCTCAACGAGAAGGAGGCCGACGAGAGGCCAGCCGGGAAGGGGCGG
GACGAACCCAACATGAACCCCAAGCTGGACTTACCAAATCGACCAGAAACCTCCTTCCTCTGGTTCACCAA
CCCATGCAAGACCATGAAGTTCATCGTGTGGCGCCGCTTTAAGTGGGTCATCATCGGCTTGCTGTTCCTGC
TTATCCTGCTGCTCTTCGTGGCCGTGCTCCTCTACTCTTTGCCGAACTATTTGTCAATGAAGATTGTAAAG
CCAAATGTGTAACAAAGGCAAAGGCTTCATTTCAAGAGTCATCCAGCAATGAGAGAATCCTGCCTCTGTAG
ACCAACATCCAGTGTGATTTTGTGTCTGAGACCACACCCCAGTAGCAGGTTACGCCATGTCACCGAGCCCC
ATTGATTCCCAGAGGKTCTTAGTCCTGGGAAAGTCAGGCCAACAAGCAACGTTTGCATCATGTTATCTCTT
AAGTATTAAAAGTTTTATTTTCTAAAGTTTAAATCATGGTTTTTYMAAATATTTTTCAAGGTGGCTGGTTC
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Table 8

CATTTAAAAATCATCTTTTTATATGTGTCTTCGGTTCTAGACTTCAGCTTTTGGAAATTGCTAAATAGAAT
TCAAAAATCTCTGCATCCTGAGGTGATATACTTCATATTTGTAATCAACTGAAAGAGCTGTGCATTATAAA
ATCAGTTAGAATAGTTAGAACAATTCTTATTTATGCCCACAACCATTGCTATATTTTGTATGGATGTCATA
AAAGTCTATTTAACCTCTGTAATGAAACTAAATAAAAATGTTTCACCTTTAAAGACAAAAAAAAAAAGATT
GAGAGGACGGCCGATC

Marker 42

GAATTCCGGCCCGGCATCCCGATGGCCGCCGCTGGGCCCCGGCGCTCCGTGCGCGGAGCCGTCTGCCTGCA
TCTGCTGCTGACCCTCGTGATCTTCAGTCGTGATGGTGAAGCCTGCAAAAAGGTGATACTTAATGTACCTT
CTAAACTAGAGGCAGACAAAATAATTGGCAGAGTTAATTTGGAAGAGTGCTTCAGGTCTGCAGACCTCATC
CGGTCAAGTGATCCTGATTTCAGAGTTCTAAATGATGGGTCAGTGTACACAGCCAGGGCTGTTGCGCTGTC
TGATAAGAAAAGATCATTTACCTATGGCTTTCTGACAAAAGGAAACAGACACAGAAAGAGGTTACTGTGC
TGCTAGAACATCAGAAGAAGGTATCGAAGACAAGACACACTAGAGAAACTGTTCTCAGGCGTGCCAAGAGG
AGATGGGCACCTATTCCTTGCTCTATGCAAGAGAATTCCTTGGGCCCTTTCCCATTGTTTCTTCAACAAGT
TGAATCTGATGCAGCACAGAACTATACTGTCTTCTACTCAATAAGTGGACGTGGAGTTGATAAAGAACCTT
TAAATTTGTTTTATATAGAAAGAGACACTGGAAATCTATTTTGCACTCGGCCTGTGGATCGTGAAGAATAT
GATGTTTTTGATTTGATTGCTTATGCGTCAACTGCAGATGGATATTCAGCAGATCTGCCCCTCCCACTACC
CATCAGGGTAGAGGATGAAAATGACAACCACCCTGTTTTCACAGAAGCAATTTATAATTTTGAAGTTTTGG
AAAGTAGTAGACCTGGTACTACAGTGGGGGTGGTTTGTGCCACAGACAGAGATGAACCGGACACAATGCAT
ACGCGCCTGAAATACAGCATTTTGCAGCAGACACCAAGGTCACCTGGGCTCTTTTCTGTGCATCCCAGCAC
AGGCGTAATCACCACAGTCTCTCATTATTTGGACAGAGAGGTTGTAGACAAGTACTCATTGATAATGAAAG
TACAAGACATGGATGGCCAGTTTTTTGGATTGATAGGCACATCAACTTGTATCATAACAGTAACAGATTCA
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AATCTTACGAATACCTATAGAAGATAAGGATTTAATTAACACTGCCAATTGGAGAGTCAATTTTACCATTT
TAAAGGGAAATGAAAATGGACATTTCAAAATCAGCACAGACAAAGAAACTAATGAAGGTGTTCTTTCTGTT
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TGCTAGAGATATTCCCAGAGTGACAGCCTTGAACAGAGCCTTGGTTACAGTTCATGTGAGGGATCTGGATG
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CAAACCAAAAATGGGGTATACCGACATTTTAGCTGTTGATCCTGATGAACCTGTCCATGGAGCTCCATTTT
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CGGCCAAGCTGCAACAAAATTATTGAGAGTTAATCTGTGTGAATGTACTCATCCAACTCAGTGTCGTGCGA
CTTCAAGGAGTACAGGAGTAATACTTGGAAAATGGGCAATCCTTGCAATATTACTGGGTATAGCACTGCTC
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TCATACCCTGGACTCCTGCAGGGGAGGACACACGGAGGTGGACAACTGCAGATACACTTACTCGGAGTGGC
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CAAGATTATGTCCTCACTTATAACTATGAGGGAAGAGGATCTCCAGCTGGTTCTGTGGGCTGCTGCAGTGA
AAAGCAGGAAGAAGATGGCCTTGACTTTTTAAATAATTTGGAACCCAAATTTATTACATTAGCAGAAGCAT
GCACAAAGAGATAATGTCACAGTGCTACAATTAGGTCTTTGTCAGACATTCTGGAGGTTTCCAAAAATAAT
ATTGTAAAGTTCAATTTCAACATGTATGTATATGATGATTTTTTTTCTCAATTTTGAATTATGCTACTCACC
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AAATCTCAAACTCCAGCACTGGAATTAAGGTCTCTAAAGCATCTGCTCTTTTTTTTTTTACGGATATTTTA
GTAATAAATATGCTGGATAAATATTAGTCCAACAATAGCTAAGTTATGCTAATATCACATTATTATGTATT
CACTTTAAGTGATAGTTTAAAAAATAAACAAGAAATATTGAGTATCACTATGTGAAGAAAGTTTTGGAAAA
GAAACAATGAAGACTGAATTAAATTAAAAATGTTGCAGCTCATAAAGAATTGGGACTCACCCCTACTGCAC

Table 8

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TACCAAATTCATTTGACTTTGGAGGCAAAATGTGTTGAAGTGCCCTATGAAGTAGCAATTTTCTATAGGAA
TATAGTTGGAAATAAATGTGTGTGTGTATATTATTATTAATCAATGCAATATTTAAAATGAAATGAGAACA
AAGAGGAAGATGGTAAAAACTTGAAATGAGGCTGGGGTATAGTTTGTTCTACAATGAAAAAAGAGAGAGCT
TTCTAGGCCTGGGCTCTTAAATGCTGCATTATAACTGAGTCTATGAGGAAATAAGTCCTGTTCAAATTGTG
TAATTTGTTTAAAATGTAAATAAATAAACTTTTCTGGTTTCTGTGGGAAGGAAATAGGGAATCCAATGGAA
CAGTAGCTTTGCTTTGCAGTCTGTTTCAAGATTTCTGCATCCACAAGTTAGTAGCAAACTGGGGAATACTC
GCTGCAGCTGGGGTTCCCTGCTTTTTGGTAGCAAGGGTCCAGAGATGAGGGTGTTTTTTTCGGGGAGCTAA
TAACAAAAACATTTTAAAACTTACCTTTACTGAAGTTAAATCCTTATTGC
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Marker 43

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ACGCGTCCGCCGCTACGAGGCCCTGCGTGGGGAGCAGCCCCCGGACCTTGAGACAACAGTCATTCTGCCTG
AGTCTGTCTTCAGAGAGACGCCCCCGTGGTCAGGCCCGCAGGCCCCGGAGAGGCCCAGGAGCCAGAGGAG
CTGGCACGGCGACAGCGACGGCACCCGGAGCTGAGCCAGGGTGAGGCTGTGGCCAGCGTCATCATCTACCG
CACCCTGGCCGGGCTACTGCCTCATAACTATGACCCTGACAAGCGCAGCTTGAGAGTCCCCAAACGCCCGA
TCATCAACACACCCGTGGTGAGCATCAGCGTCCATGATGATGAGGAGCTTCTGCCCCGGGCCCTGGACAAA
CCCGTCACGGTGCAGTTCCGCCTGCTGGAGACAGAGGAGCGGACCAAGCCCATCTGTGTCTTCTGGAACCA
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ACGTCAGCTGCCAGTGCAACCACATGACGAGCTTCGCTGTGCTCATGGACGTTTCTCGGCGGGAGAATGGG
GAGATCCTGCCACTGAAGACACTGACATACGTGGCTCTAGGTGTCACCTTGGCTGCCCTTCTGCTCACCTT
CTTCTTCCTCACTCTCTTGCGTATCCTGCGCTCCAACCAACACGGCATCCGACGTAACCTGACAGCTGCCC
TGGGCCTGGCTCAGCTGGTCTTCCTCCTGGGAATCAACCAGGCTGACCTCCCTTTTGCCTGCACAGTCATT
GCCATCCTGCTGCACTTCCTGTACCTCTGCACCTTTTCCTGGGCTCTGCTGGAGGCCTTGCACCTGTACCG
GGCACTCACTGAGGTGCGCGATGTCAACACCGGCCCCATGCGCTTCTACTACATGCTGGGCTGGGGCGTGC
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CCAGCCCCTACGCAGATGGGCGGCTGTACCAGCCCTACGGAGACTCGGCCGGCTCTCTGCACAGCACCAGT
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CGGACTCCGACAGTGACCTGTCCTTAGAAGACGACCAGAGTGGCTCCTATGCCTCTACCCACTCATCAGAC·
AGTGAGGAGGAAGAAGAGGAGGAGGAAGAGGAGGCCGCCTTCCCTGGAGAGCAGGGCTGGGATAGCCTGCT
GGGGCCTGGAGCAGAGAGACTGCCCCTGCACAGTACTCCCAAGGATGGGGGCCCAGGGCCTGGCAAGGCCC
CCTGGCCAGGAGACTTTGGGACCCACAGCAAAAGAGAGTAGTGGCAACGGGGCCCCTGAGGAGCGGCTGCGG
GAGAATGGAGATGCCCTGTCTCGAGAGGGGTCCCTAGGCCCCCTTCCAGGCTCTTCTGCCCAGCCTCACAA
AGGCATCCTTAAGAAGAAGTGTCTGCCCACCATCAGCGAGAAGAGCAGCCTCCTGCGGCTCCCCCTGGAGC
AATGCACAGGGTCTTCCCGGGGCTCCTCCGCTAGTGAGGGCAGCCGGGGCGGCCCCCCTCCCCGCCCACCG
CCCCGGCAGAGCCTCCAGGAGCAGCTGAACGGGGTCATGCCCATCGCCATGAGCATCAAGGCAGGCACGGT
GGATGAGGACTCGTCAGGCTCCGAATTTCTCTTCTTTAACTTCCTGCATTAACCCTGGGCCGTGGTTCCTA
CGCCCGAGGCTCCCTTCCCTTCCCCAGCCGCACTCATGCCCCTGCTCCTGTCTTGTGCTTTATCCTGCCCCG
CTCCCCATCGCCTGCCCGCGCAGCAGCGACGAAACGTCCATCTGAGGAGCCTGGGCCTTGCCGGGAGGGGTAC
TCACCCCACCTAAGGCCATCTAGTGCCAACTCCCCCCCCCACCATTCCCCTCACTGCACTTTGGACCCCTGG
GGCCAACATCTCCAAGACAAAGTTTTTCAGAAAAGAGGAAAAAAAGAATTTAAAAAAGGATCTCCACTCTT
CATGACTTCAGGGATTCATTTTTTTTATACGCTGGAAATTGACTCCCCTTTCCCTTCCCAAAGAGGATAGG
ACCTCCCAGGATGCTTCCCAGCCTCTCCTCAGTTTCCCATCTGCTGTGCCTCTGGGAGGAGAGGGACTCCT
GGGGGGCCTGCCCCTCATACGCCATCACCAAAAGGAAAGGACAAAGCCACACGCAGCCAGGGCTTCACACC
CTTCAGGCTGCACCCGGGCAGGCCTCAGAACGGTGAGGGGCCAGGGCAAAGGGTGTGCCTCGTCCTGCCCG
CACTGCCTCTCCCAGGAACTGGAAAWGCCCTGTCCGGTGAGGGGGCAGAAGGACTCAGCGCCCCTGGACCC
CCAAATGCTGCATGAACACATTTTCAGGGGAGCCTGTGCCCCCAGGCGGGGGTCGGGCAGCCCCAGCCCCT
CTCCTTTTCCTGGACTCTGGCCGTGCGCGGCAGCCCAGGTGTTTGCTCAGTTGCTGACCCAAAAGTGCTTC
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Table 8

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ATTTTTTCGTGCCCGCCCCGCGCCCCGGGCAGGCCAGTCATGTGTTAAGTTGCGCTTCTTTGCCTGTGATG
TGGGTGGGGGAGGAAGAGTAAACACAGTGCTGGCTCGGCTGCCCTGAGGGTGCTCAATCAAGCACAGGTTT
CAAGTCTGGGTTCTGGTGTCCACTCACCCACCCCACCCCCCAAAATCAGACAAATGCTACTTTGTCTAACC
TGCTGTGGCCTCTGAGACATGTTCTATTTTTAACCCCTTCTTGGAATTGGCTCTCTTCTTCAAAGGACCAG
GTCCTGTTCCTCTTTCTCCCCGACTCCACCCCAGCTCCCTGTGAAGAGAGAGTTAATATATTTGTTTTATT
TATTTGCTTTTTGCGTTGGGATGGGTTCGTGTCCAGTCCCGGGGGTCTGATATGGCCATCACAGGCTGGGT
GTTCCCAGCAGCCCTGGCTTGGGGGCTTGACGCCCTTCCCCTTGCCCCAGGCCATCATCTCCCCACCTCTC
CTCCCCTCTCCTCAGTTTTGCCGACTGCTTTTCATCTGAGTCACCATTTACTCCAAGCATGTATTCCAGAC
TTGTCACTGACTTTCCTTCTGGAGCAGGTGGCTAGAAAAAGAGGCTGTGGGCAGGAAAGAAAGGCTCCTGT
TTCTCATTTGTGAGGCCAGCCTCTGGCTTTTCTGCCGTGGATTCTCCCCCTGTCTTCTCCCCTCAGCAATT
CCTGCAAAGGGTTAAAAATTTAACTGGTTTTTACTACTGATGACTTGATTTAAAAAAAAATACAAAGATGCT
GGATGCTAACTTGATACTAACCATCAGATTGTACAGTTTGGTTGTTGCTGTAAATATGGTAGCGTTTTGTT
GTTGTTGTTTTTTCATGCCCCATACTACTGAATAAACTAGTTCTGTGCGGGTACAGCAAAAAAAAAACAAA
AACAAAG
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Marker 44
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GGGAACCCAGGCATGAATGACCATGCCCCTCACATTCTGTACCCTACCTCAACCAACTCGTCAGCAGCCTT
CGAGATGGTGCCTCGAACTGCCCCTGCTGGCTACCTGGTCACCAAAGTCATAGCTATGGACTCAGACTCTG
GGCAAAATGCTTGGCTTTTTTACCATCTAGCCCAGACTTCTGACCTGGACCTCTTTAAGGTAGAGCTGCAC
ACAGGAGAAATTAGGACTACCAGGAAGATGGGAGATGAGAGTGGTAGCACTTTCAACCTGACCGTGGTGGT
CCGAGATAATGGAGAGCCATCACTATCAGCCTCTGTGGCCATTACAGTAGCTGTGGTGGATAGGGTTTCCA
AAATCCTCCCTGACACTCAGAGGCATGTTAAGAGCCCTCGGACATACTCTGAAATTACCCTTTATCTAATA
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CTACACTGCGTATGGCACTGCATGCTGTGGAGGCTTCTGTGGAGTAAGGGAAAGGTCCCCTGCAGAACTGT
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GTTCGAGGGAATGGCTCCCTCACCAAGACCTACTGCTACAAGGCCTGTCTGACAGCAGGCTCAGGGAGTGA
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ACAGCAGGAATCTCACAGGCCAAAGTGGTCAGAATGCTGGGAACCTGATTATTCTCAAAAATGAGGCTGTT
TCTCAAAATGAGCCACGACAGCCCAACCCTGACTGGCGTTACTCTGCCTCCCTGAGAGCAGGCATGCACAG
CTCTGTGCACCTAGAGGAGGCTGGCATTCTACGGGCTGGTCCAGGAGGGCCTGATCAGCAGTGGCCAACAG
TATCCAGTGCAACACCAGAACCAGAGGCAGGAGAAGTGTCCCCTCCAGTCGGTGCGGGTGTCAACAGCAAC
AGCTGGACCTTTAAATACGGACCAGGCAACCCCAAACAATCCGGTCCCGGTGAGTTGCCCGACAAATTCAT
TATCCCAGGATCTCCTGCAATCATCTCCATCCGGCAGGAGCCTACTAACAGCCAAATTGACAAAAGTGACT
TCATAACCTTCGGCAAAAAGGAGGAGACCAAGAAAAAGAAGAAAAAGAAGAAGGGTAACAAGACCCAGGAG
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AGCCAGTTTTTGTAATAATGGCAAATCTCTCCCATGTAGCAATTCCCTGCTCCTTTTTCCTATCTACATGA
GCCCTCTTAGAGACCTCAGAAATCTGCAGAAAGTTCCCTGTGTCTGTCTAGAACGCATTTAACAGGTTTTG
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CTCTGCCCTGTGCTCCGGGGATCCTGTCTTGATGACACTTGCAGGGCAGGCTGAAAAGTTTTGAGATTGAG
CAGCTTGGGAGTTTGTGGCCACTGGGTATGTGTGGCTACCGCGGGTATGCGAGTGCCAGATATTGGCTGAG
ACGAGCCAGCTTAGACTAATTGGTACAAGGAAGGCAAGAAAACAAAGACAAATAAACAGCGGAAGTTATCA
GTATGGAGGGGAAGTGTAAACTTAAAGGGACCAGACTTTCTAAATCTTACAACTCAAGAGGTGGCAGCCAC
CCTCTAGGAGACAAAACTACCCCCACTGACAAGGCTTTAGGAGACCCTAAAGTCTGATGGCTGTGACGTCA
TTATACCTAAAATCTGCATCATACCTGCAAGCCAACAGTTCAGTGTTTTAACAGAGAACCACCCTGGGAAA
CAGAAGCAGATCTGATGTGTTTCCTATACATGTCCTGTGCTCACTTTATTAAAAAATTCTTTTGCACACAAT
GTTTATGAAAAGGCCAGATCCTTTTCCAATACTTATGCAAAAGCAAAAGAAAACCCCGACACCTCACCTTT
CGCTGTTTGTTGTTTCATAGATTTATTTAAAAAAAAGAGAAAGTCTATAGCTATAAATCTTTAAAGAGAAAT
ATGAATACAATTCCCCTAAACTCTCCTCAAAAGAGAATTCAGTCTACAGCCATTTAAATGATCATTGCTGC
TACAGAAGTGCTTTAAGAGAATTGCCTGAAACATCTGTATTATATCGGCCACCTGCCAATCACAGCTTTAC
TCTTTCAGGTCACTCTGGGGCTGCCTCTTGCATGTATTACTAAATAAAATGATCTCTCTTTCTCTCTCTCT
CTCTCTTTTCTAAGAAACAATTATGTGCACTTTGATACACAACCTTCTCTAACCAACTATATATCAAGACC
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Table 8

CAAAAATTGAAGAAAAATATTGTTTTCTCATACAGTGAGCAGATTTTTCAATCTACTAATTCTGTGACTTG
TCTTGGTGTGCTAGCCTACACCTTCTCTTTGGTTTAGTTTTCCTTTTCTATAACACTCTGAATTGCTAATC
TTACTAACACCTATGATGTTACCTGAAATCAATCTCCCATATGTATGCTGTATGCTATGCTAAGACTCCTG
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ATTGTTGAATGTAATTCCATTATATTTCCTTTTGTACACCTGTGAAAAAGTGGAGTAGTGTTTTTTTAACC
ATTGTTAATCAGCTTTTGTGTATGAAAGACACAGTAAAATTTCTTTCTTAAATCAAGATACTGGTGATTCA
AGGAATTTTATTTATGGTCCAGCCAAGAGCCATCTCGTGCCAAGACTTCTGCTGGCAAGGGAATGGATAAA
GCTGTTTTGTTCTAGTAACAATTTTGGAATGAATACTGACAATATTCCATGAGGGTGTGCAAGCACAAATT
TTACCAATCTGACCTCTTTGAAGTTGCAGAATGCTTTGAAATTCTAATGGTATCTGAAATATCAGCTCATA
GAAAGTAACAAAATTTGCTGTCACCTTAAATAAGACATTTTAATTTTGTTATAATGTACAATTTAGAAGTT
TGATTAATTATATTATCTATTTAGGCATTAATATAAAAGAGGTAGGAGTCTGTTATTTAAAAAAAAGCATTA
AATTTAAAAAAAAAACTGTCTTGTCTACTTTTAGCTTCATTCTCCCATATTTTGAAGGGTGTGTAACTTCAG
CTCTGCAGGATTGCCATGGGGTAAAACTTGTTACCCAACACATGTGAACCATTGCCTACATTGTAGGTTGT
GATCATTTTGCCCCACTGAAGCCCATGTATCTGACCTTACGTGCCTTTTGAACTAGGAGAATCGGGCTAAT
TTATTAATGATGATAATTATAATGTATCTGTACAGCACTTTTTACATTTGCGAAGTGCTTTCCAATCCATG
TTAGTTACTAGTTATTACAGCTGTAAGGATAAAACACGTCATGTGGATTCATTTTGAATTGGTGCTATTGG
TATTTCCTCTGTTATTGCTAATAAATGAAAATGGTGGTATGAAAAAAAAAAAAAAAA

Marker 45
CTCCCGCGTCCACCTCTCCCTCCCTGCTTCCTCTGGCGGAGGCGGCAGGAACCGAGAGCCAGGTCCAGAGC
GCCGAGGAGCCGGTCTAGGACGCAGCAGATTGGTTTATCTTGGAAGCTAAAGGGCATTGCTCATCCTGAAG
ATCAGCTGACCATTGACAATCAGCCATGTCATCCAGGCCTCTTGAAAGTCCACCTCCTTACAGGCCTGATG
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TCTCAGCCAGCCTACTCTTTTTACCCAGAAGATGAAATTCTTCACTTCTACAAATGGACCTCTCCTCCAGG
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TTGCCTGGGACAGAGGCTATGGAACTTCCCTTTTAGGAGGTAGTGTAGGCTACCCTTATGGAGGAAGTGGC
TTTGGTAGCTACGGAAGTGGCTATGGCTATGGCTATGGTTATGGCTATGGCTACGGAGGCTATACAGACCC
AAGAGCAGCAAAGGGCTTCATGTTGGCCATGGCTGCCTTTTGTTTCATTGCCGCGTTGGTGATCTTTGTTA
CCAGTGTTATAAGATCTGAAATGTCCAGAACAAGAAGATACTACTTAAGTGTGATAATAGTGAGTGCTATC
CTGGGCATCATGGTGTTTATTGCCACAATTGTCTATATAATGGGAGTGAACCCAACTGCTCAGTCTTCTGG
ATCTCTATATGGTTCACAAATATATGCCCTCTGCAACCAATTTTATACACCTGCAGCTACTGGACTCTACG
TGGATCAGTATTTGTATCACTACTGTGTTGTGGATCCCCAGGAGGCCATTGCCATTGTACTGGGGGTTCATG
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GTCCAATATTTTGTGGGACAAGGAACACATTTATGATGAGCAGCCCCCCAATGTCGAGGAGTGGGTTAAAA
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GTGGTAACTTTGAGACACCTTCAAAAAGAGCACCTGCAAAGGGAAGAGCAGGAAGGTCAAAGAGAACAGAG
CAAGATCACTATGAGACAGACTACACAACCTGGCGGCGAGTCCTGTGATGAGCTGGAGGAGGACTGGATCAG
GGAATATCCACCTATCACTTCAGATCAACAAAGACAACTGTACAAGAGGAATTTTGACACTGGCCTACAGG
AATACAAGAGCTTACAATCAGAACTTGATGAGATCAATAAAGAACTCTCCCGTTTGGATAAAGAATTGGAT
GACTATAGAGAAGAAAGTGAAGAGTACATGGCTGCTGCTGATGAATACAATAGACTGAAGCAAGTGAAGGG
ATCTGCAGATTACAAAAGTAAGAAGAATCATTGCAAGCAGTTAAAGAGCAAATTGTCACACATCAAGAAGA
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GCTGAACACTCCAATTAAGGATTTTATGCTTTAAACATTGGTTCTTGTATTAAGAATGAAATACTGTTTGA
GGTTTTTAAGCCTTAAAGGAAGGTTCTGGTGTGAACTAAACTTTCACACCCCAGACGATGTCTTCATACCT
ACATGTATTTGTTTGCATAGGTGATCTCATTTAATCCTCTCAACCACCTTTCAGATAACTGTTATTTATAA
TCACTTTTTTCCACATAAGGAAACTGGGTTCCTGCAATGAAGTCTCTGAAGTGAAACTGCTTGTTTCCTAG
CACACACTTTTGGTTAAGTCTGTTTTATGACTTCATTAATAATAAATTCCCTGGCCTTTCATATTTTAGCT

Table 8

ACTATATATGTGATGATCTACCAGCCTCCCTATTTTTTTTTCTGTTATATAAATGGTTAAAAGAGGTTTTTC
TTAAATAATAAAGATCATGTAAAAGTAAMAAAAAAA